


The Afghanistan Engineering Support Program assembled this deliverable. It is an approved, official USAID document. Budget information contained herein is for illustrative purposes. All policy, personal, financial, and procurement sensitive information has been removed. Additional information on the report can be obtained from Firouz Rooyani, Tetra Tech Sr. VP International Operations, (703) 387-2151.

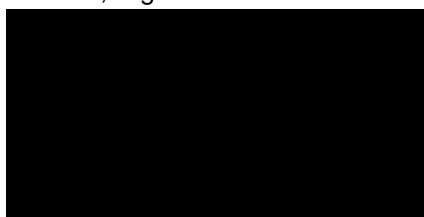
Site Visit Report	Project: Mini Football Playground
Location: Aybak, Samangan Province	Coordinates: Latitude: N 36° 16' 1.42" Longitude: E 68° 1' 51.37"
Inspection Date: November 07, 2013	Weather: Partly Cloudy, Temp @ 18°C, No Precipitation
Inspectors: 	Status: Incomplete

PRESENTED TO

United States Agency for International Development (USAID)
Office of Economic Growth and Infrastructure (OEGI)

RampUP-North

Great Massoud Road
Kabul, Afghanistan



Date: **03/09/14**

Title:

PRESENTED BY

Tetra Tech, Inc.
Afghanistan Engineering Support Program
Contract No. EDH-I-00-08-00027-00
Task Order No. 1

Work Order WO-LT-0009 AMD #5

Shash Darak
Kabul, Afghanistan

EXECUTIVE SUMMARY

The Mini Football playground is located in Samangan Province, Aybak District. It includes a football pitch, audience's bench, one (1) pergola, sidewalks, boundary wall, and fence. This project is funded by USAID/RC-North and partially funded by Aybak Municipality. Site preparation, construction of football pitch, sidewalks, boundary walls, installation of fence around sport court, audience benches and installation of pergolas are funded by USAID/RC-North whereas provision and installation of seven (7) kilo watt generator, flood lights for playground area, trash bins, construction of Plain Cement Concrete (PCC) parking area, and planting of greenery are funded by Aybak Municipality.

On November 07, 2013 two (2) engineers from Tetra Tech (Tt) Afghanistan Engineering Support Program (AESP) reviewed the provided project documentation for the Mini Football Playground and traveled to Aybak District, Samangan Province to evaluate the visible completed works. Tt has determined USAID's portion of the construction work for the Mini-Football playground is complete. Tt also determined Aybak Municipality's portion of the construction work for the Mini-football playground is incomplete. The Municipality's remaining work consists of placement of artificial turf, curbstone on some section of sidewalks, audience benches, trash bins, a seven (7) kilo watt capacity generator, light fixtures in football court, and placement of plain cement concrete (PCC) over capillary barrier in parking area.

DISCLAIMER

The author's views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

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APPENDIX B – BILL OF QUANTITY
APPENDIX C – REGIONAL AFGHAN MUNICIPALITIES PROGRAM

This report was prepared for the United States Agency for International Development, Contract No. EDH-I-00-08-00027-00, Task Order 01, Afghanistan Engineering Support Program.

1.0 INTRODUCTION

The Mini Football playground is located in Samangan Province, Aybak District. The Aybak Municipality did not have adequate sports facilities, especially football fields, leaving the youth with no place to play football. The municipality identified a suitable location for a mini football field to be constructed. On September 26, 2012, a meeting was held between the Aybak Service Delivery Advisory Group (SDAG) and Public Administration Advisory Group (PAAG) at the Aybak Municipality. Resulting in the selection of the Round 4 project, a mini football field (20.3 meter wide by 32.3 meter long).

Site preparation, construction of football pitch, sidewalks, boundary walls, installation of fence around sport court, audience benches and installation of pergolas are funded by USAID/RC-North whereas provision and installation of seven (7) kilo watt generator, flood lights for playground area, trash bins, construction of PCC parking area, and planting of greenery are funded by Aybak Municipality.

Local football players and young athletes are the main direct beneficiaries; indirect beneficiaries would include all citizens of Samangan Province.

2.0 SITE VISIT

Two (2) engineers from Tetra Tech's (Tt) Afghanistan Engineering Support Program reviewed the provided project documentation for the Mini Football Playground and traveled to Aybak District, Samangan Province on November 07, 2013 to evaluate the visible completed works. The provided project documentation included Architectural and structural design including plans, section details in (Appendix A), Bill of quantity (Appendix B), and Regional Afghan Municipality program (Appendix C). Tt engineers were accompanied by a DAI site engineer during the site evaluation. Site observation findings are documented in this report, including photos provided in the Figures section on pages 04 to 11.

3.0 SITE VISIT DETAILS: USAID RESPONSIBILITY

Regarding the USAID funded portion of works, the following was observed:

1. Site preparation of the construction area is complete.
2. Construction of boundary wall is complete per the drawings. (See figure 3)
3. Installation of fence around the football court is complete per the drawings. (See figure 4)
4. Placement of PCC work for football court is complete. On the completed PCC work, there were some major cracks observed. Most of these cracks are patched with cement sand mortar. (See figures 5, 6, 7 and 8)
5. Installation of main entrance gate is complete per the drawings. (See figure 2)
6. Construction work of spectator's pergola is complete per the drawings. (See figure 16)
7. Installation of Terrazzo tiles are complete per drawings and SOW. (See figure 15)
8. Construction of Septic tank (soaking pit) is complete per the drawings. (See figure 15)
9. Construction work for latrines is complete per the drawings. (See figure 10)
10. Provision and installation of tiles for floors and walls of latrine building are complete per the drawings. (See figures 11, 12, 13 and 14)
11. Installation of PVC doors and windows for latrines are complete as per drawing. (See figures 10 and 13)
12. Installation of water tank on the roof of latrines is complete. (See figure 10)
13. Installation of two goals for football court is complete. (See figure 9)

Based on the above summary, Tt has determined USAID's portion of the construction work for the Mini-Football playground is complete.

4.0 SITE VISIT DETAILS: AYBAK MUNICIPALITY RESPONSIBILITY

Regarding the Aybak Municipality funded portion of works, the following was observed:

1. Installation of artificial turf is not started yet. Based on DAI engineer explanation, due to poor quality of artificial grass, the first delivery of the material was rejected.
 - a. **Remaining work:** The Aybak Municipality is required to provide and install the artificial grass.
2. Installation of curbstone on sidewalk is still remaining. (See figure 15)
 - a. **Remaining work:** Curbstone has not been installed on portions of the sidewalk.
3. Fabrication and installation of audience benches is incomplete.
 - a. **Remaining work:** Audience benches need to be installed.
4. Supply and installation of trash bins.
 - a. **Remaining work:** Trash bins still need installing.
5. Laying of Plain Cement Concrete (PCC) with gravel for parking area.
 - a. **Remaining work:** Gravel and PCC need installing.
6. Supply and installation of a seven (7) kilo watt generator.
 - a. **Remaining work:** Installation of a seven (7) kilo watt generator.
7. Supply and installation of light fixtures for football area.
 - a. **Remaining work:** Supply and installation of light fixtures.

Based on the above summary, Tt has determined Aybak Municipality's portion of the construction work for the Mini-football playground is incomplete. The Municipality's remaining work consists of installation of artificial turf, curbstone in some portion of sidewalks, audience benches, trash bins, a seven (7) kilo watt generator, light fixtures in football court, and laying PCC with gravel in parking area.



Figure 1. Sign Board of Mini Football Field



Figure 2. Main Entrance Gate for Mini-Football Playground

FIGURES (CONTINUED)

Figure 3. Parking Area in front of Mini-Football Playground and boundary wall



Figure 4. Football court with installed fence

FIGURES (CONTINUED)

Figure 5. Cracks appeared on concrete pad for football court



Figure 6. Cracks appeared on concrete pad for football court

FIGURES (CONTINUED)

Figure 7. Cracks appeared on concrete pad for football court



Figure 8. The cracks pitched with mortar

FIGURES (CONTINUED)

Figure 9. Football goal view



Figure 10. Exterior view of latrines

FIGURES (CONTINUED)

Figure 11. Interior view of shower room



Figure 12. Interior view of dressing room

FIGURES (CONTINUED)

Figure 13. Interior view of latrine building



Figure 14. Interior view of latrine

FIGURES (CONTINUED)

Figure 15. Sidewalks with placed tiles, curbstone and septic well (Installation of curbs on some sections still remaining)



Figure 16. Pergola for spectators

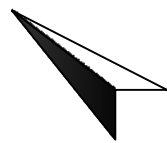
APPENDIX A – ARCHITECTURAL AND STRUCTURAL DESIGN OF AYBAK

- RAMP-UP-NORTH-

AYBAK MUNICIPALITY

Architectural & structural design of Aybak Mini Football Ground

DATE: 12/25/2012



N

Bagh Zeraat

Karta Mamorin

Family Park

16m

Road



33m

Parking

City Conference Hall

57m

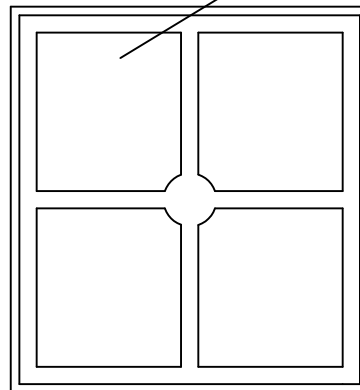
83m

**Proposed Mini Football
Playground Area.**

MGRS: 42SVF1297514018
N 36 16' 031"
E 068 01' 87"
Area 2308m2
Perimeter 214.9m

Septic
Tank

41.5m



Karta Mamorin

Situation

Drawin Title:
Situation

Surveyed By:

Estimated By:

Conceptual Approved By:

Conceptual Approved By:

Checked By:

Approved By:

Name

Position/Organization

RUMP-UP-North Aybak Municipal
Engineering Advisor

RUN Samangan Municipal
Engineering Advisor

SDAG Deputy

Mayor of Aybak

Engineering Director/RUMP-UP-N

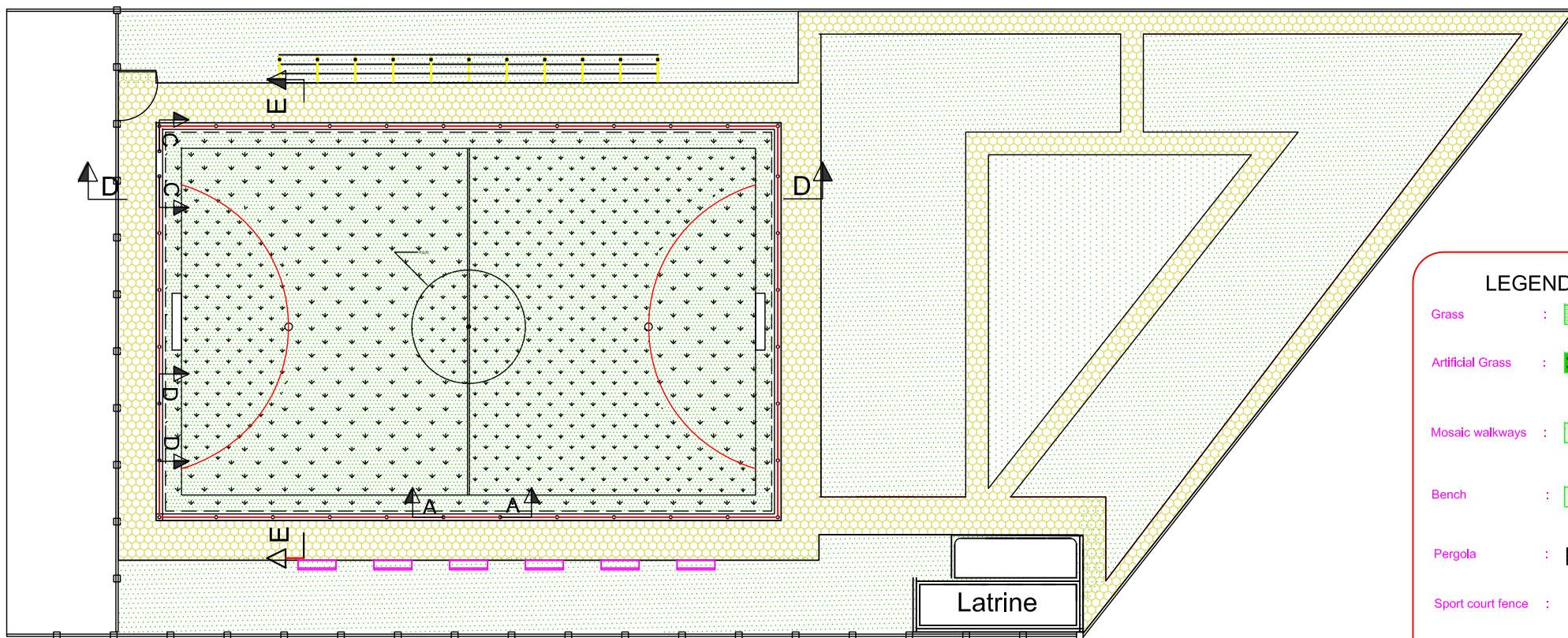
Project Manager

Project Name:

**Aybak Mini Football
Playground**

Date: 12-25-12

Drawing Number: 1



Architectural Plan

LEGEND

- Grass :
- Artificial Grass :
- Mosaic walkways :
- Bench :
- Pergola :
- Sport court fence :
- Boundary wall fence:

Drawin Title:
Architectural Plan

Drawing Number: 2

Surveyed By:
Estimated By:
Conceptual Approved By
Conceptual Approved By
Checked By:
Approved By:

Name

Position/Organization

RUMP-UP-North Aybak Municipal
Engineering Advisor

RUN Samangan Municipal
Engineering Advisor

SDAG Deputy

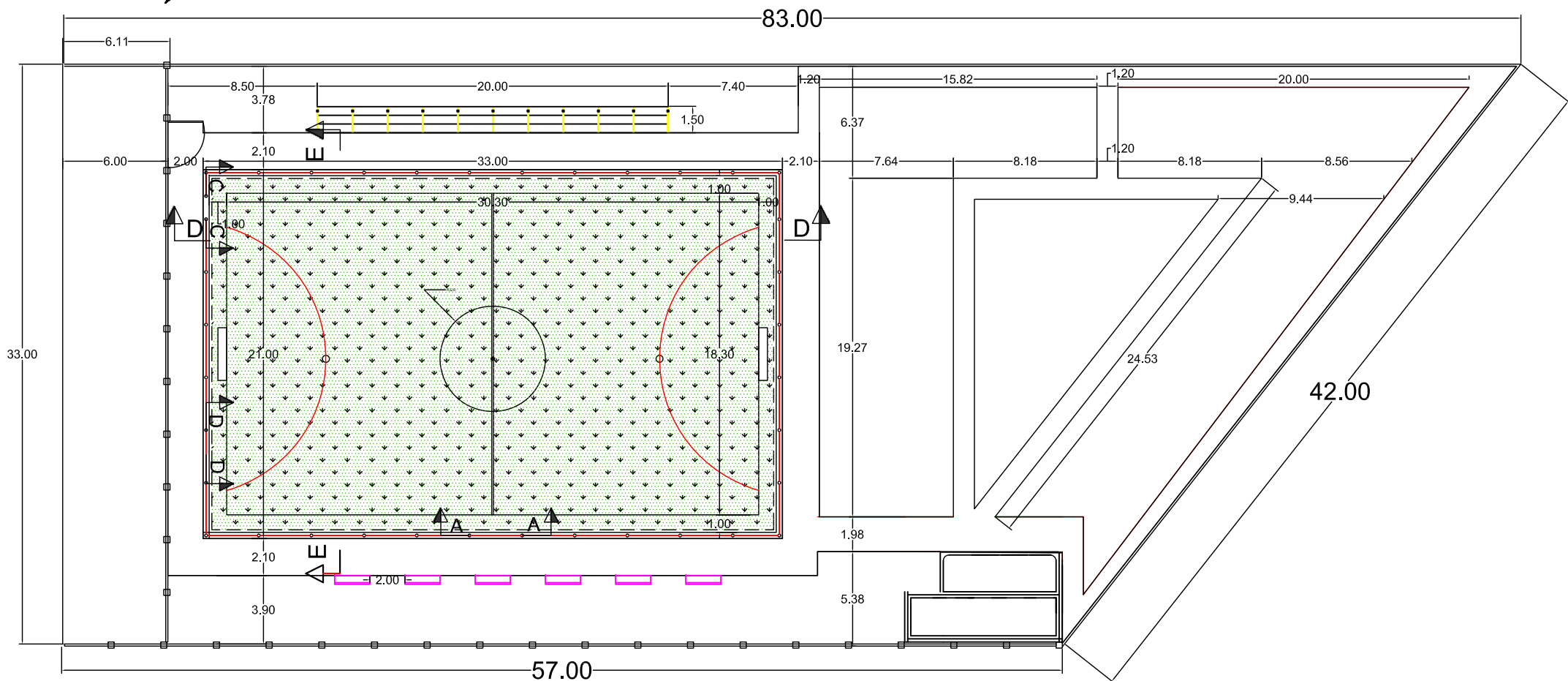
Mayor of Aybak

Engineering Director/RUMP-UP-N

Project Manager

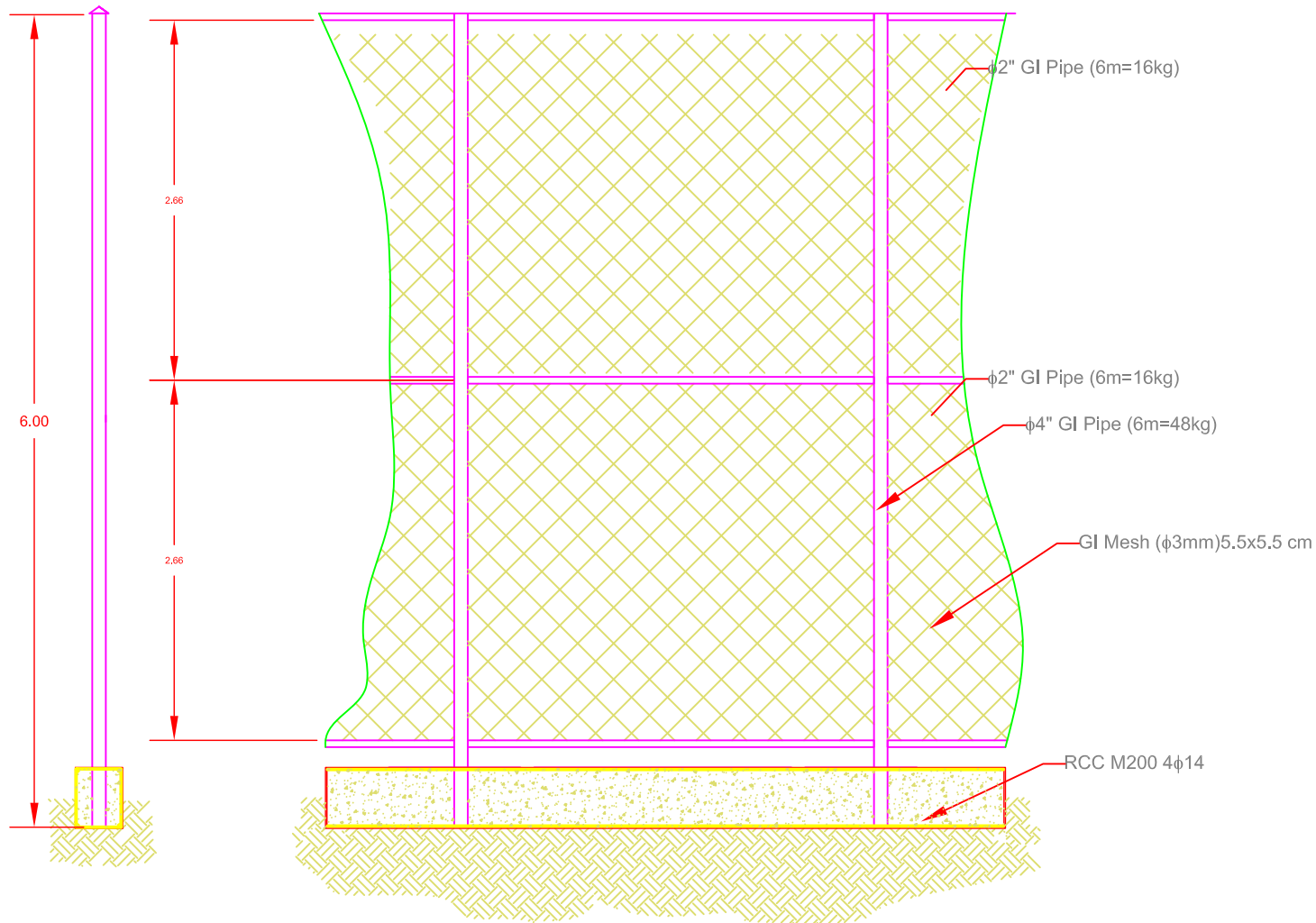
Project Name:
Aybak Mini Football
Playground

Date: 12-25-12



Dimension Plan

Drawin Title: Dimension Plan		Name	Position/Organization	Project Name: Aybak Mini Football Playground
	Surveyed By:		RUMP-UP-North Aybak Municipal Engineering Advisor	
	Estimated By:		RUN Samangan Municipal Engineering Advisor	
	Conceptual Approved By		SDAG Deputy	
Drawing Number: 3	Conceptual Approved By			Mayor of Aybak
	Checked By:	Engineering Director/RUMP-UP-N		
	Approved By:	Project Manager		



SECTION A-A sport court fence

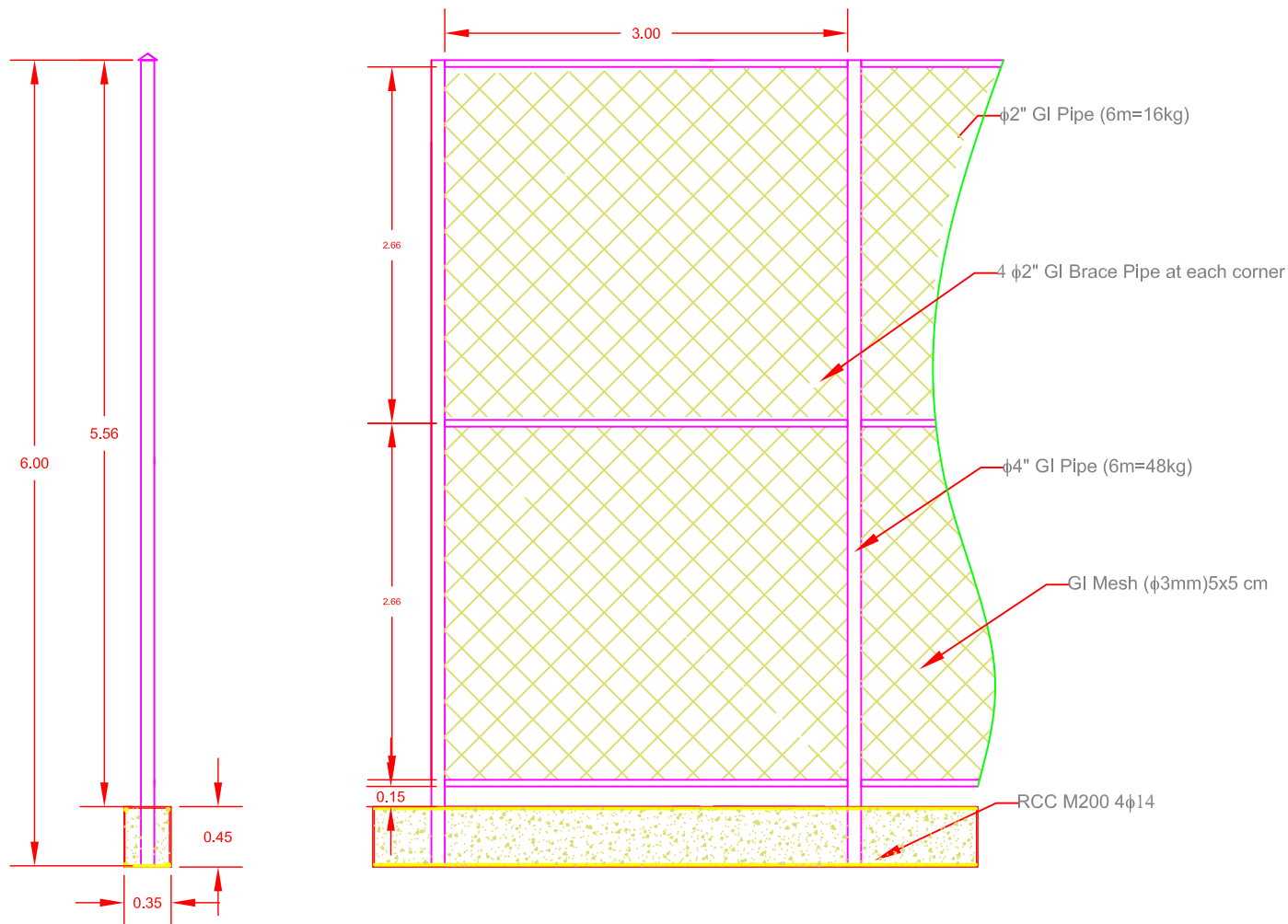
Drawin Title:
Section A-A

Drawing Number: 5

	Name	Position/Organization
Surveyed By:		RUMP-UP-North Aybak Municipal Engineering Advisor
Estimated By:		RUN Samangan Municipal Engineering Advisor
Conceptual Approved By		SDAG Deputy
Conceptual Approved By		Mayor of Aybak
Checked By:		Engineering Director/RUMP-UP-N
Approved By:		Project Manager

Project Name:
Aybak Mini Football
Playground

Date: 12-25-12



SECTION B-B sport court fence

Drawin Title:
Section B-B

Surveyed By:
Estimated By:
Conceptual Approved By
Conceptual Approved By
Checked By:
Approved By:

Name

Position/Organization

RUMP-UP-North Aybak Municipal
Engineering Advisor

RUN Samangan Municipal
Engineering Advisor

SDAG Deputy

Mayor of Aybak

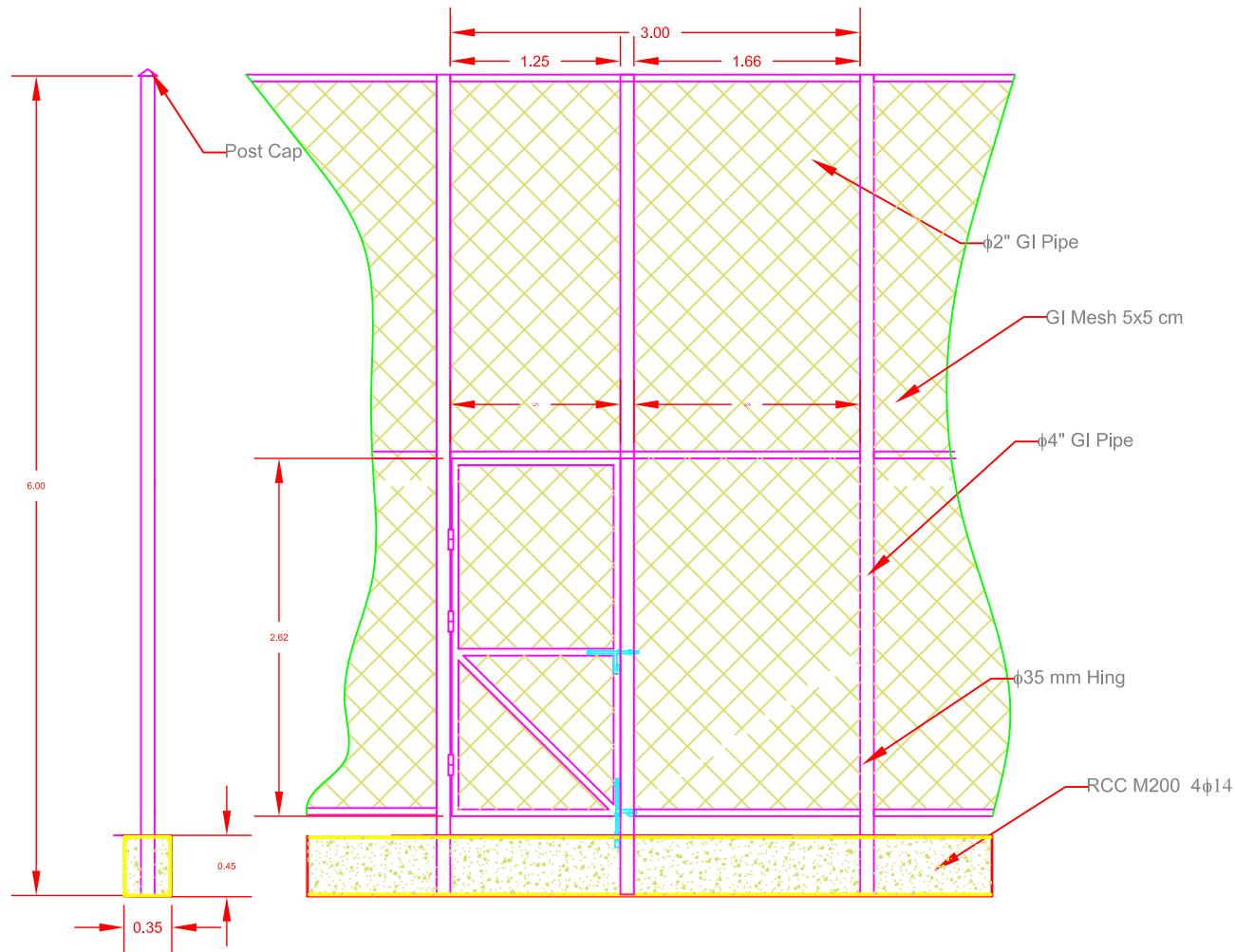
Engineering Director/RUMP-UP-N

Project Manager

Project Name:
Aybak Mini Football
Playground

Date: 12-25-12

Drawing Number: 6



CC GATE DETAIL sport court fence

Drawin Title:
Section C-C

Surveyed By:

Estimated By:

Conceptual Approved By

Conceptual Approved By

Checked By:

Approved By:

Name

Position/Organization

RUMP-UP-North Aybak Municipal
Engineering Advisor

RUN Samangan Municipal
Engineering Advisor

SDAG Deputy

Mayor of Aybak

Engineering Director/RUMP-UP-N

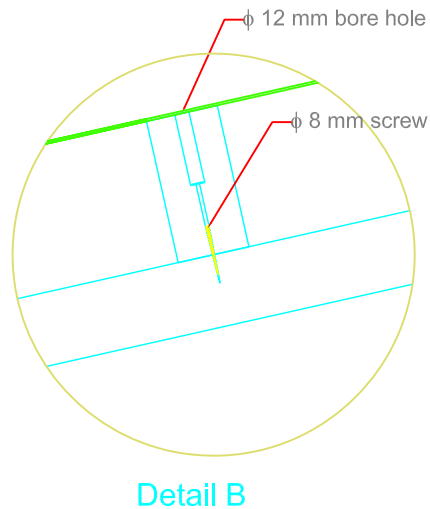
Project Manager

Project Name:

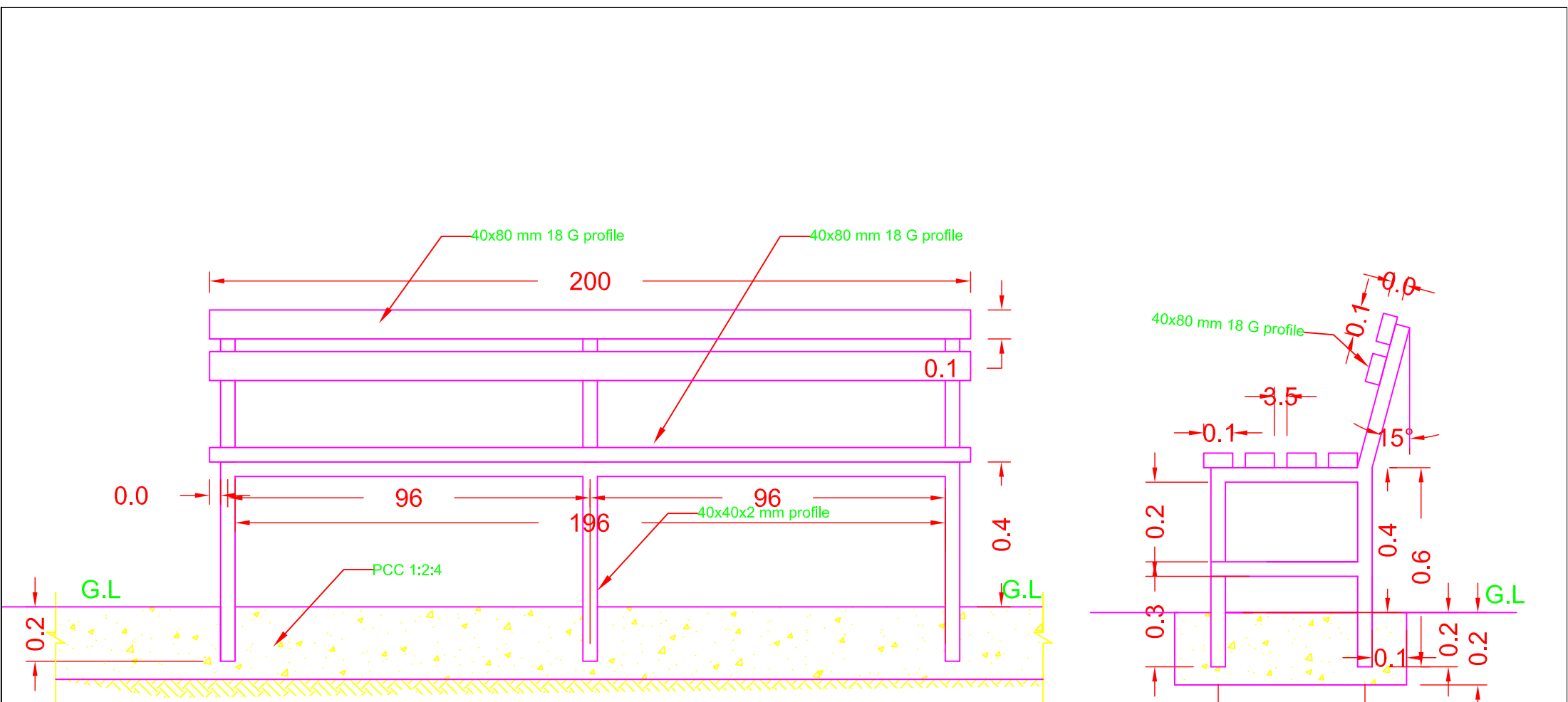
Aybak Mini Football
Playground

Date: 12-25-12

Drawing Number: 7

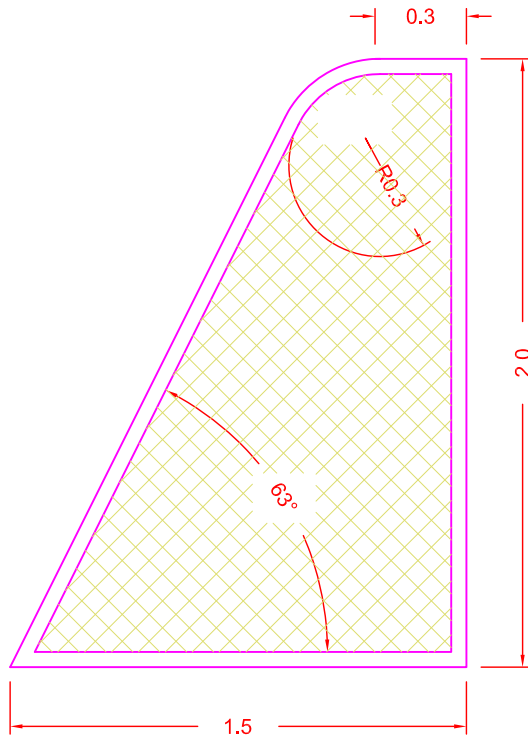


Drawin Title: Pergola		Name	Position/Organization	Project Name: Aybak Mini Football Playground
	Surveyed By:		RUMP-UP-North Aybak Municipal Engineering Advisor	
	Estimated By:		RUN Samangan Municipal Engineering Advisor	
	Conceptual Approved By		SDAG Deputy	
Drawing Number: 8	Conceptual Approved By			Mayor of Aybak
	Checked By:		Engineering Director/RUMP-UP-N	
	Approved By:		Project Manager	

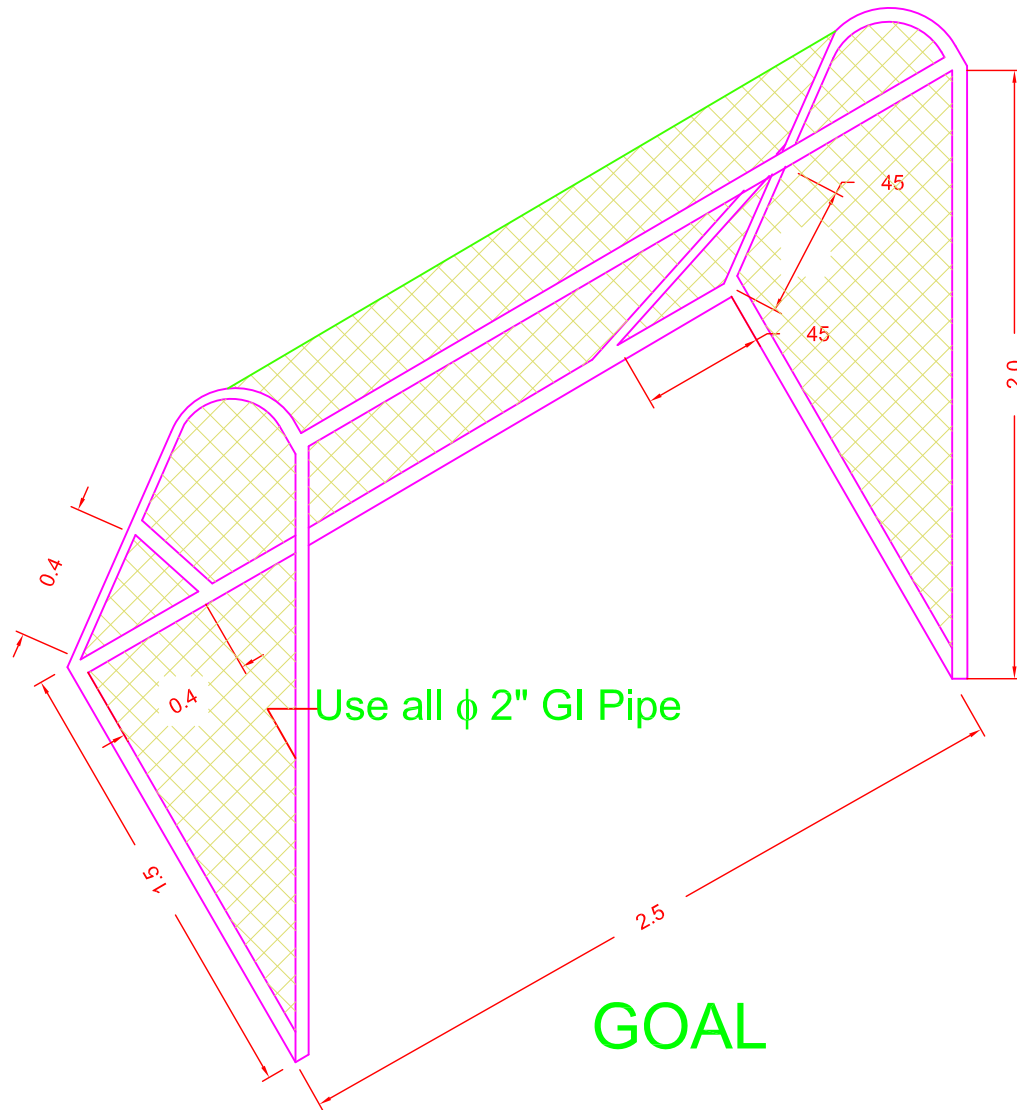


Outdoor Bench

Drawin Title: Bench		Name <div style="background-color: black; width: 100px; height: 100px;"></div>	Position/Organization RUMP-UP-North Aybak Municipal Engineering Advisor	Project Name: Aybak Mini Football Playground
	Surveyed By:		RUN Samangan Municipal Engineering Advisor	
	Estimated By:		SDAG Deputy	
	Conceptual Approved By		Mayor of Aybak	
Drawing Number: 9	Conceptual Approved By	<div style="background-color: black; width: 100px; height: 100px;"></div>	Engineering Director/RUMP-UP-N	Date: 12-25-12
	Checked By:		Project Manager	
	Approved By:			



Side View



GOAL

Use all ϕ 2" GI Pipe

Drawin Title:
Goal

Surveyed By:

Estimated By:

Conceptual Approved By

Conceptual Approved By

Checked By:

Approved By:

Name

Position/Organization

RUMP-UP-North Aybak Municipal
Engineering Advisor

RUN Samangan Municipal
Engineering Advisor

SDAG Deputy

Mayor of Aybak

Engineering Director/RUMP-UP-N

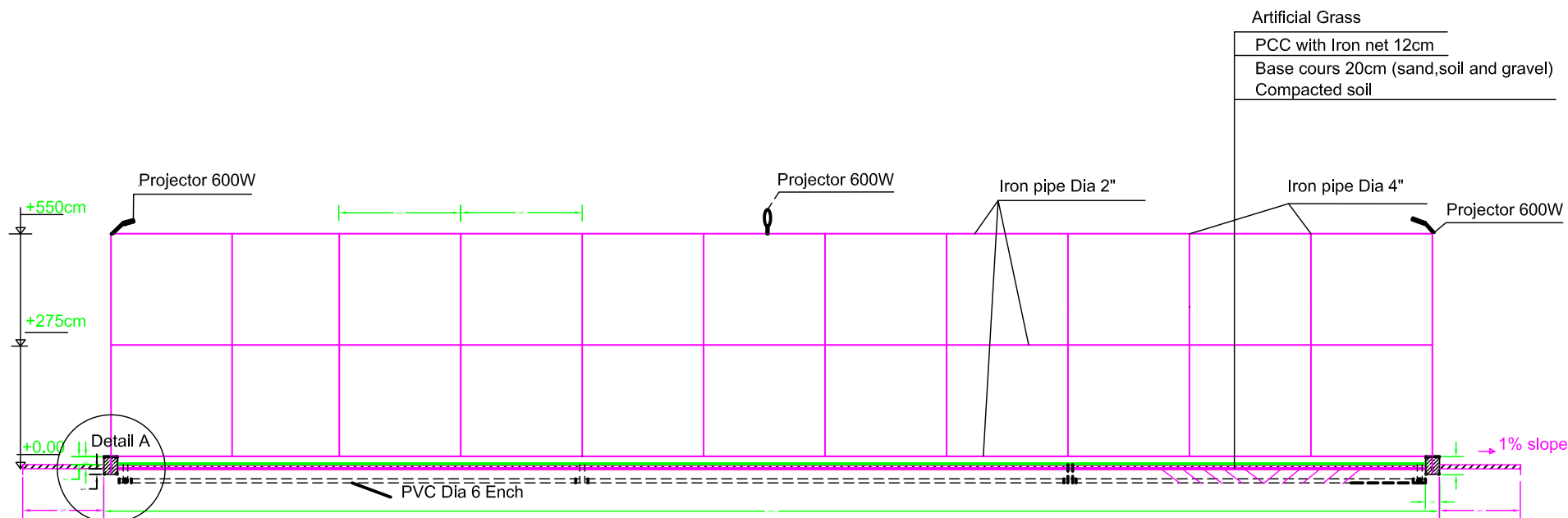
Project Manager

Project Name:

Aybak Mini Football
Playground

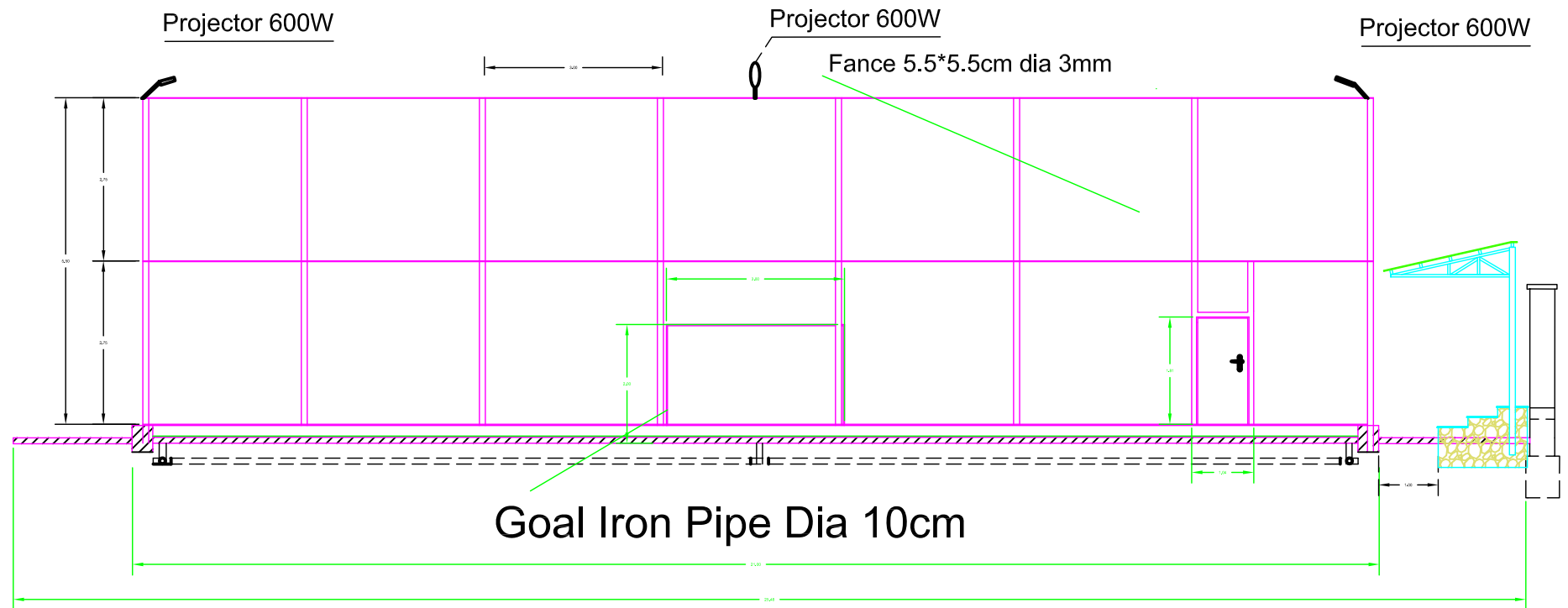
Date: 12-25-12

Drawing Number: 10



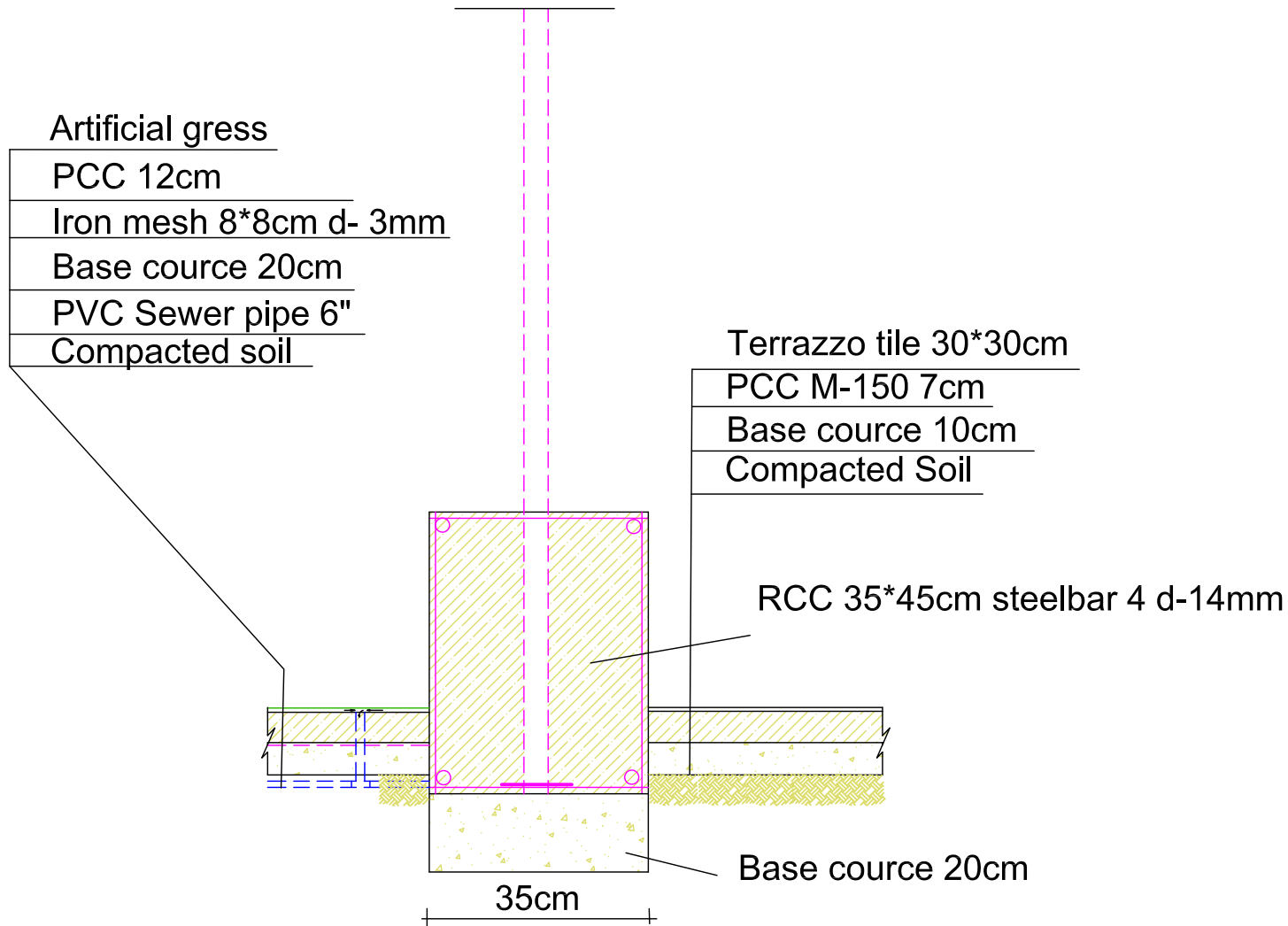
Section D-D

Drawin Title: Section D-D			Name	Position/Organization	Project Name: Aybak Mini Football Playground
	Surveyed By:			RUMP-UP-North Aybak Municipal Engineering Advisor	
	Estimated By:			RUN Samangan Municipal Engineering Advisor	
	Conceptual Approved By			SDAG Deputy	
	Conceptual Approved By			Mayor of Aybak	
Drawing Number: 11	Checked By:			Engineering Director/RUMP-UP-N	Date: 12-25-12
	Approved By:			Project Manager	



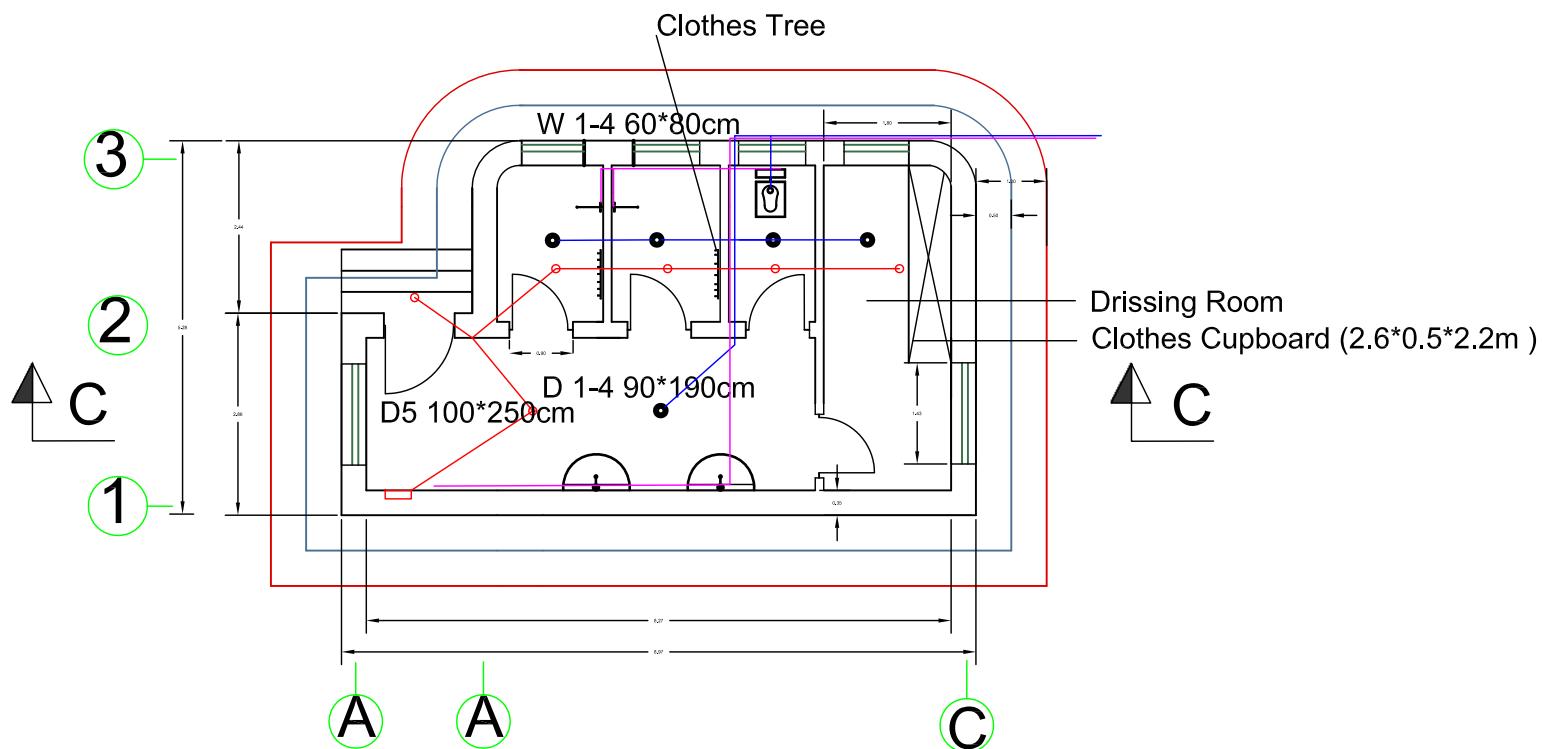
Section E-E

Drawin Title: Section E-E	Name		Position/Organization	Project Name: Aybak Mini Football Playground
	Surveyed By:		RUMP-UP-North Aybak Municipal Engineering Advisor	
	Estimated By:		RUN Samangan Municipal Engineering Advisor	
	Conceptual Approved By		SDAG Deputy	
	Conceptual Approved By		Mayor of Aybak	
Drawing Number: 12	Checked By:		Engineering Director/RUMP-UP-N	Date: 12-25-12
	Approved By:		Project Manager	



Detail A of Foundation

Drawin Title: Detail A of Foundation		Name	Position/Organization	Project Name: Aybak Mini Football Playground
	Surveyed By:		RUMP-UP-North Aybak Municipal Engineering Advisor	
	Estimated By:		RUN Samangan Municipal Engineering Advisor	
	Conceptual Approved By		SDAG Deputy	
	Conceptual Approved By		Mayor of Aybak	
Drawing Number: 13	Checked By:		Engineering Director/RUMP-UP-N	Date: 12-25-12
	Approved By:		Project Manager	



Drawin Title:
Plan of Latrine

Drawing Number: 14

Surveyed By:
Estimated By:
Conceptual Approved By
Conceptual Approved By
Checked By:
Approved By:

Name

Position/Organization

RUMP-UP-North Aybak Municipal
Engineering Advisor

RUN Samangan Municipal
Engineering Advisor

SDAG Deputy

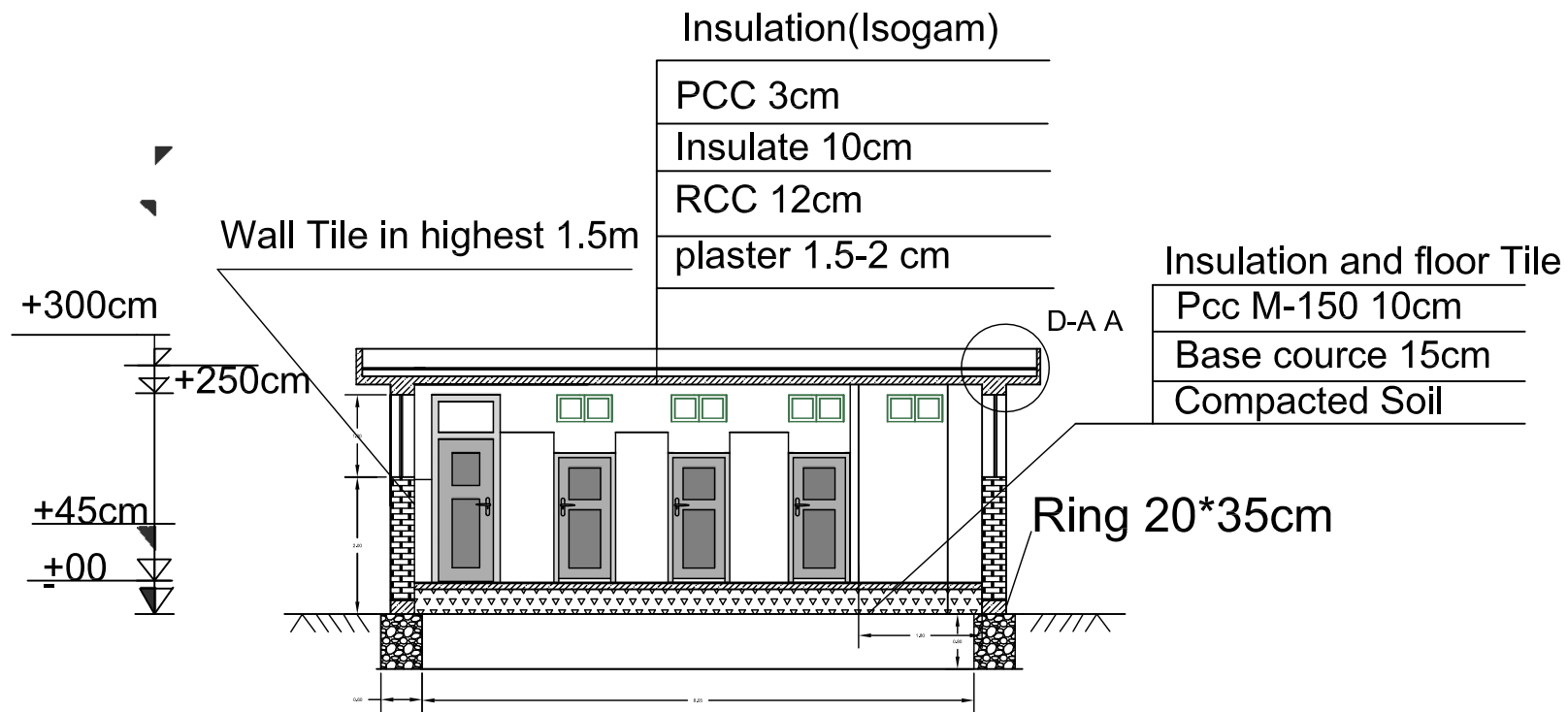
Mayor of Aybak

Engineering Director/RUMP-UP-N

Project Manager

Project Name:
Aybak Mini Football
Playground

Date: 12-25-12



Drawin Title:

Section c-c

Drawing Number: 15

Name

Position/Organization

Surveyed By:

RUMP-UP-North Aybak Municipal
Engineering Advisor

Estimated By:

RUN Samangan Municipal
Engineering Advisor

Conceptual Approved By

SDAG Deputy

Conceptual Approved By

Mayor of Aybak

Checked By:

Engineering Director/RUMP-UP-N

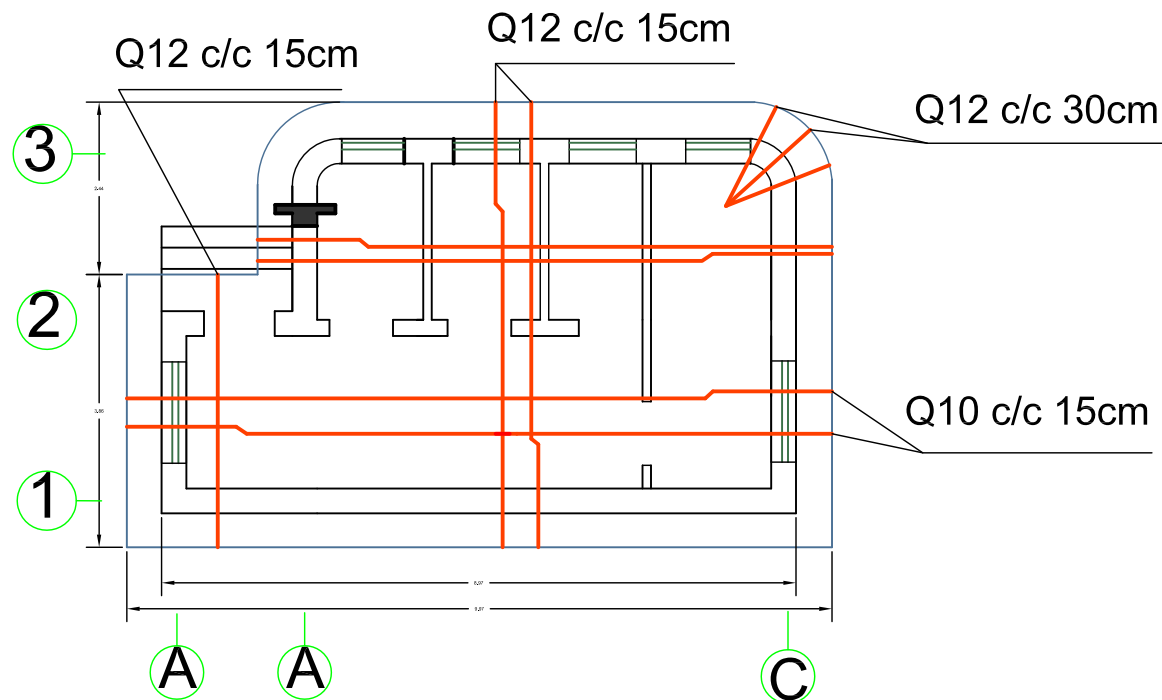
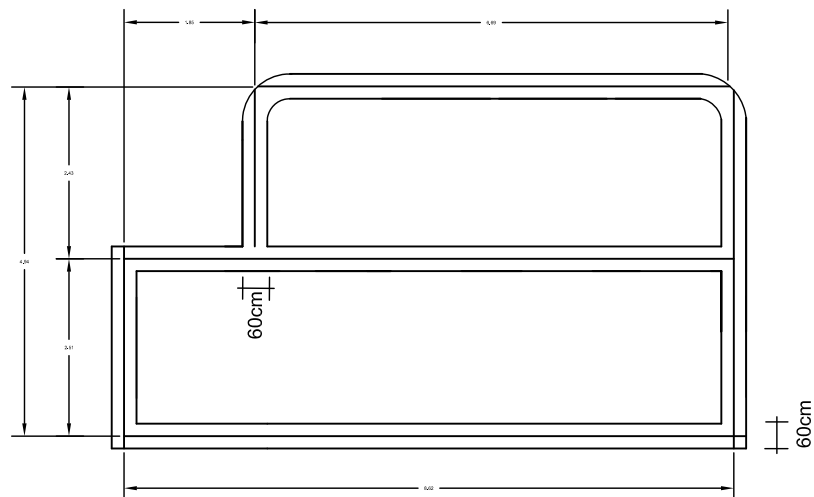
Approved By:

Project Manager

Project Name:

Aybak Mini Football
Playground

Date: 12-25-12



Drawin Title:
Foundation Plan

Drawing Number: 16

Surveyed By:
Estimated By:
Conceptual Approved By
Conceptual Approved By
Checked By:
Approved By:

Name

Position/Organization

RUMP-UP-North Aybak Municipal
Engineering Advisor

RUN Samangan Municipal
Engineering Advisor

SDAG Deputy

Mayor of Aybak

Engineering Director/RUMP-UP-N

Project Manager

Project Name:
Aybak Mini Football
Playground

Date: 12-25-12

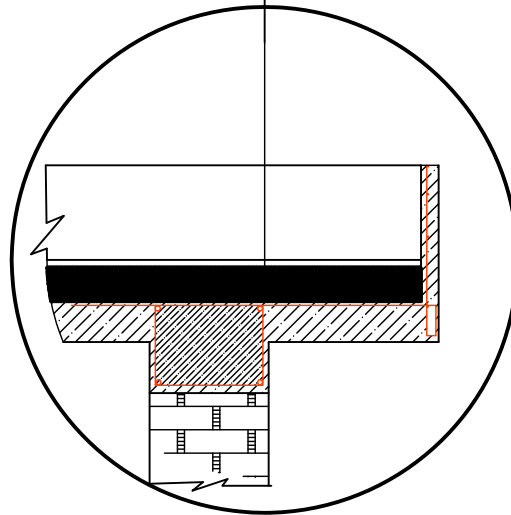
Insulation(Isogam)

PCC 3cm

Insulate 10cm

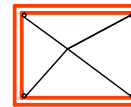
RCC 12cm

plaster 1.5-2 cm



Detail -A A

4Q12



Q6 c/c 30cm



Drawin Title:
Detail of Parapet

Drawing Number: 17

Name

Position/Organization

Surveyed By:

Estimated By:

Conceptual Approved By

Conceptual Approved By

Checked By:

Approved By:

RUMP-UP-North Aybak Municipal
Engineering Advisor

RUN Samangan Municipal
Engineering Advisor

SDAG Deputy

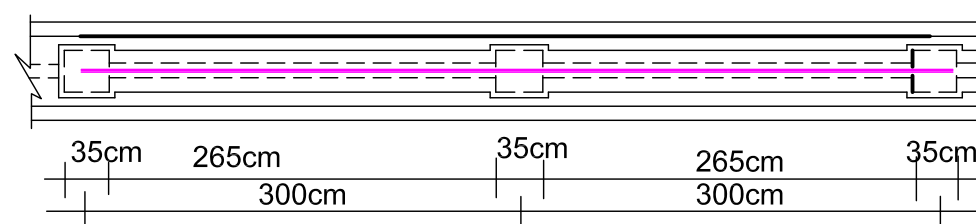
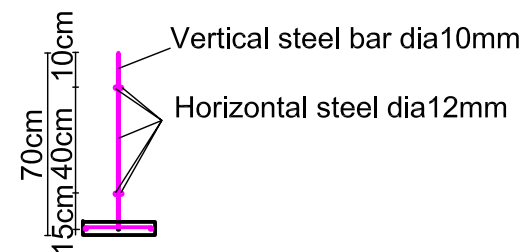
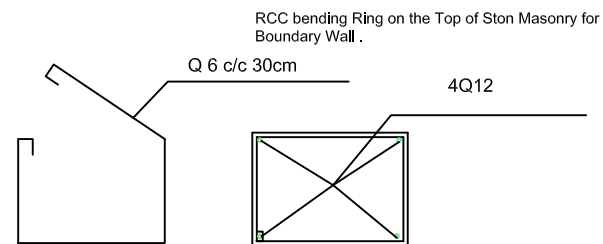
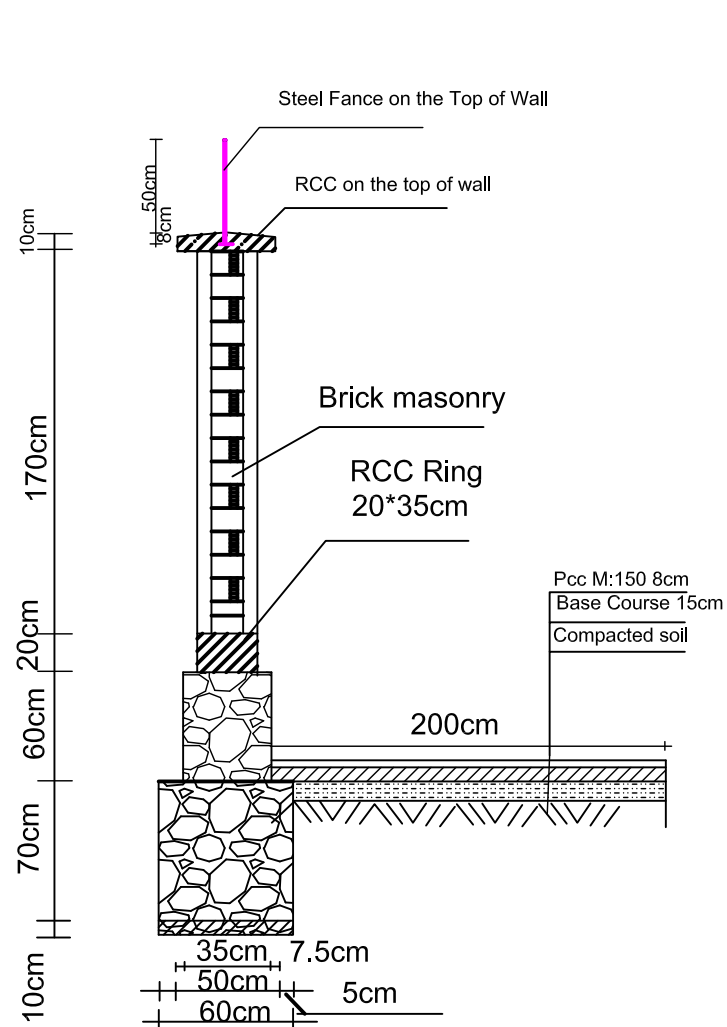
Mayor of Aybak

Engineering Director/RUMP-UP-N

Project Manager

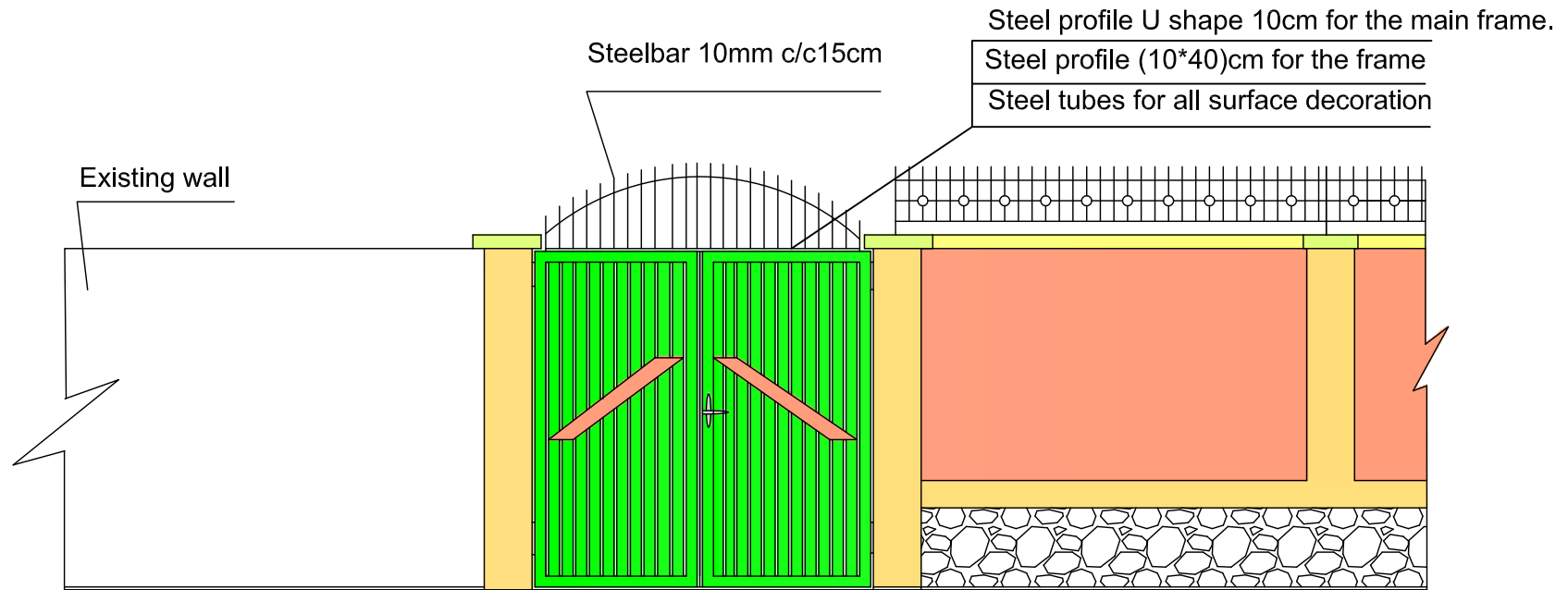
Project Name:
Aybak Mini Football
Playground

Date: 12-25-12



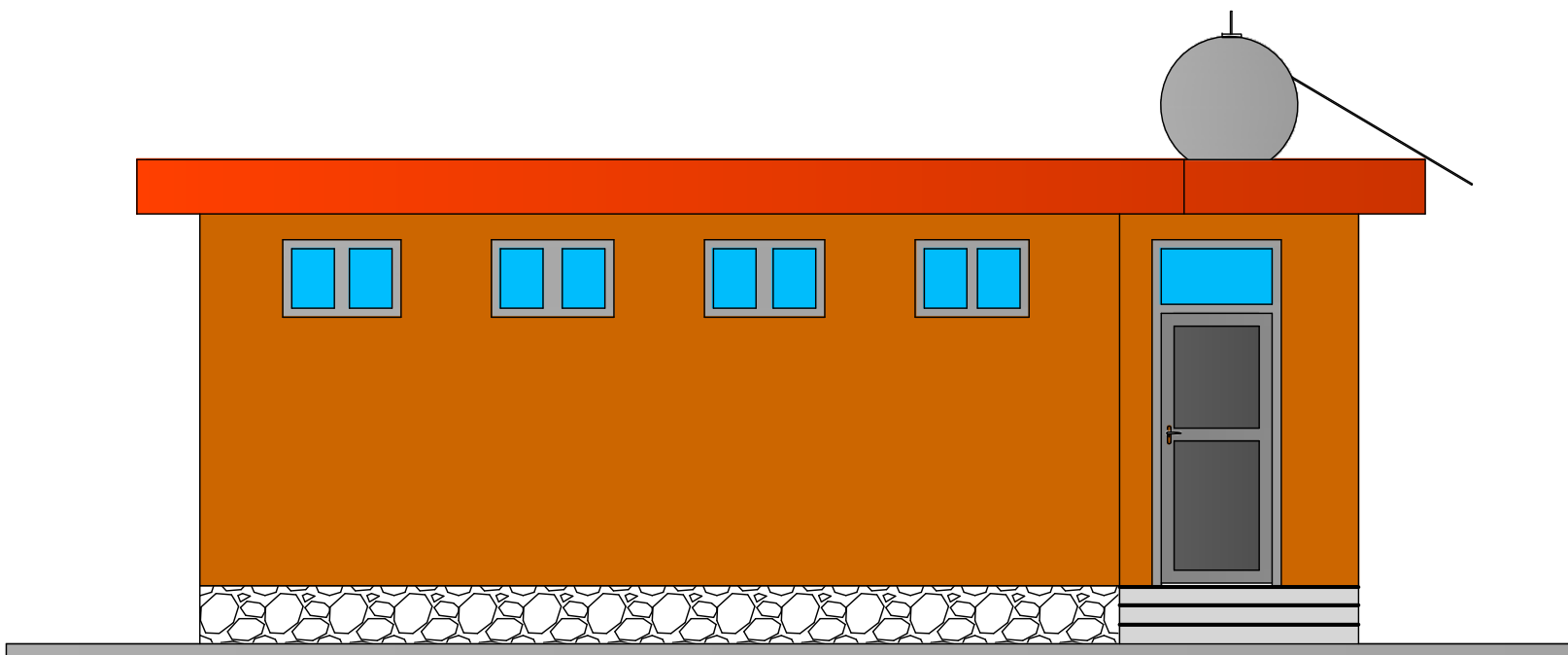
Plan of Boundary Wall

<div>Drawin Title:</div> <div>Section & Plan of Wall</div>		Name	Position/Organization	<div>Project Name:</div> <div>Aybak Mini Football Playground</div> <div>Date: 12-25-12</div>
	Surveyed By:		RUMP-UP-North Aybak Municipal Engineering Advisor	
	Estimated By:		RUN Samangan Municipal Engineering Advisor	
	Conceptual Approved By		SDAG Deputy	
<div>Drawing Number: 18</div>	Conceptual Approved By		Mayor of Aybak	
	Checked By:	Engineering Director/RUMP-UP-N		
	Approved By:	Project Manager		



Gate for Mini Football playground Area

Drawin Title: Veiw of Gate and Wall	Name		Position/Organization	Project Name: Aybak Futsal Playground Date: 12-25-12
	Surveyed By:		RUMP-UP-North Aybak Municipal Engineering Advisor	
Drawing Number: 19	Estimated By:		RUN Samangan Municipal Engineering Advisor	
	Conceptual Approved By		SDAG Deputy	
	Conceptual Approved By		Mayor of Aybak	
	Checked By:		Engineering Director/RUMP-UP-N	
	Approved By:		Project Manager	



Drawin Title: Latrine Western View		Name	Position/Organization	Project Name: Aybak Mini Football Playground Date: 12-25-12
	Surveyed By:		RUMP-UP-North Aybak Municipal Engineering Advisor	
	Estimated By:		RUN Samangan Municipal Engineering Advisor	
	Conceptual Approved By		SDAG Deputy	
Drawing Number: 20	Conceptual Approved By		Mayor of Aybak	
	Checked By:		Engineering Director/RUMP-UP-N	
	Approved By:		Project Manager	



Drawin Title:

3D

Drawing Number: 21

Name

Surveyed By:

Estimated By:

Conceptual Approved By

Conceptual Approved By

Checked By:

Approved By:

Position/Organization

RUMP-UP-North Aybak Municipal
Engineering Advisor

RUN Samangan Municipal
Engineering Advisor

SDAG Deputy

Mayor of Aybak

Engineering Director/RUMP-UP-N

Project Manager

Project Name:

**Aybak Mini Football
Playground**

Date: 12-25-12



Drawin Title:
3D

Surveyed By:
Estimated By:
Conceptual Approved By
Conceptual Approved By
Checked By:
Approved By:

Drawing Number: 22

Name

Position/Organization

RUMP-UP-North Aybak Municipal
Engineering Advisor

RUN Samangan Municipal
Engineering Advisor

SDAG Deputy

Mayor of Aybak

Engineering Director/RUMP-UP-N

Project Manager

Project Name:
Aybak Mini Football
Playground

Date: 12-25-12

APPENDIX B – BILL OF QUANTITY

RAMP-UP-NORTH Construction of Mini Football Playground Bill of Quantities											
Project Name: Construction of Mini Football Playground								Date: Jan/23/2012			
NO	Description	No.	Length (M)	Width (M)	Depth (M)	Quantity	Unit	Unit Price (AFA)	Total Price Each Item (AFA)	Total price (AF)	Remarks
A	Site Preparation: (cutting, filling, leveling, cleaning, and watering as pre site needs)	1.00	70.00	33.00		2310.00	sqm		AFA -	AFA -	
B	Football pitch: 656 m²with all required activities									AFA -	
1	PCC M150 = 656*0.12	1.00	32.30	20.30	0.12	78.68	cum		AFA -		
2	Base course under PCC including compaction and leveling with all required activities.	1.00	32.30	20.30	0.20	131.14	cum		AFA -		
3	Iron mesh size (8x8 cm) and dia 3 mm.	1.00	32.30	20.30		655.69	sqm		AFA -		
4	Supply and installation of artificial grass good quality with all required activities.	1.00	32.30	20.30		655.69	sqm		AFA -		
5	Supply and installation of goal frames mad of GI pipe 2 inch, net and with all required activities	2.00				2.00	each		AFA -		
6	PVC pipe for sewer system of football pitch (dia 6 inch and T 3mm, best quality) with all required activities.	1.00	100.00			100.00	m		AFA -		
7	All the required line marking of the football pitch.	1.00				1.00	LS		AFA -		
C	Audiences bench: Production and installation of metallic outdoor benches according to drawings and specs, with all required activities like 3 coat of paint etc.	6.00				6.00	Each		AFA -	AFA -	
D	Pergola: Construction and installation of 20m pergola according to drawings and specs, with all required activities.									AFA -	
1	PCC M150 =(0.2*0.52*17)	3.00	20.00	0.50	0.05	1.50	cum		AFA -		
2	Profile 10x10 cm and T=2mm	11.00	3.50			38.50	M		AFA -		
3	Profile 4x4 cm and T=2mm	11.00	6.00			66.00	M		AFA -		
4	Profile 4x4 cm and T=2mm	4.00	20.00			80.00	M		AFA -		
5	Stone masonry with mortar 1:4 and pointing 1:3 (mountain stone from Samangan province), With all required activities	1.00	20.00	1.50	1.50	45.00	cum		AFA -		
6	PVC/Plastic corrugated sheet (Sheffer) including required screws in each 50 cm.	1.00	20.00	1.50		30.00	sqm		AFA -		
7	White marble 100x52x2cm	3.00	20.00	0.52		31.20	M		AFA -		
E	Sidewalks Terrazzo Tile: Construction of 418m2 sidewalks according to drawings and specs with all required activities.									AFA -	
1	Terrazzo Tile 30*30 cm	1.00				418.00	sqm		AFA -		
2	PCC M150 T= 7 cm	1.00			0.07	29.26	cum		AFA -		
3	Gravel for base course = 10 cm	1.00			0.10	41.80	cum		AFA -		
4	Curbs 50*20*6 cm	1.00				251.00	m		AFA -		

RAMP-UP-NORTH Construction of Mini Football Playground Bill of Quantities											
	Project Name: Construction of Mini Football Playground							Date: Jan/23/2012			
NO	Description	No.	Length (M)	Width (M)	Depth (M)	Quantity	Unit	Unit Price (AFA)	Total Price Each Item (AFA)	Total price (AF)	Remarks
F	Boundary wall: Construction of 90 meter wall with all required activities, according the drawings and specs.										
1	Excavation of Foundation Boundary wall .	1.00	90.00	0.60	0.80	43.20	cum		AFA -		
2	Plain Cement Concrete (PCC) M:150, cement ratio 1:2:4 for under the stonemasonry wall with all required activities.	1.00	90.00	0.60	0.05	2.70	cum		AFA -		
3	Stone masonry work for foundation with quarry stone , mortar 1:4 with all related activities.	1.00	90.00	0.60	0.80	43.20	cum		AFA -		
4	Stone masonry work for over the ground with hammer surface , mortar 1:4 , pointing 1:3 ,with all related activities .	1.00	90.00	0.50	0.60	27.00	cum		AFA -		
5	Reinforcement cement concrete (RCC) for boundary wall ring M-200 cement (375kg/m3)clean coarse sand and crushed gravel with shuttering and best quality steel bars.	1.00	90.00	0.35	0.20	6.30	cum		AFA -		
6	Reinforcement cement concrete (RCC)Ring for the top of boundary wall M-200 cement (375kg/m3)clean coarse sand and crushed gravel with shuttering and best quality steel bars.	1.00	90.00	0.35	0.10	3.15	cum		AFA -	AFA -	
7	Brick masonry for boundary wall inside column with half brick wide. Brick shall comply with requirements of first class brick, shall be done by 1:4 ration of cement mortar according to design.	1.00	90.00	0.12	1.70	18.36	cum		AFA -		
8	Brick masonry for column walls (35*35 cm) and bench of viewer 33m with 3 step 50*50cm, Brick shall comply with requirements of first class brick, shall be done by 1:4 ration of cement mortar according to design.					21.56	cum		AFA -		
9	Gates (Profile best quality according to design).					1.00	Ls		AFA -		
10	Plastering of the boundary wall inside, outside and viewer benches with M 1:4 smoothly with all required activities.	1.30	90.00	4.50		526.50	sqm		AFA -		
11	Tree coats of 100% plastic painting of inside and outside of boundary wall with all related activities.	1.00	90.00	4.50		405.00	sqm		AFA -		
G	Fencing: providing and installation of fence around the sport court, with all required activities according the										
1	Excavation of foundation of RCC ring around the playground according to specifications and drawings.	1.00	108.00	0.35	0.30	11.34	cum		AFA -		
2	Reinforcement Cement Concrete (RCC) for ring around the playground according to the drawing and	1.00	108.00	0.35	0.45	17.01	cum		AFA -		
3	GI Pipe 4" (6m=48kg)	37.00	6.00			222.00	M		AFA -	AFA -	

RAMP-UP-NORTH
Construction of Mini Football Playground
Bill of Quantities

	Project Name: Construction of Mini Football Playground							Date: Jan/23/2012				
NO	Description	No.	Length (M)	Width (M)	Depth (M)	Quantity	Unit	Unit Price (AFA)	Total Price Each Item (AFA)	Total price (AF)	Remarks	
4	GI Pipe 2" (6m=16kg)	3.00	108.00			324.00	M		AFA -			
5	GI mesh Φ 3 mm 5.5*5.5cm	1.00	108.00		5.50	594.00	sqm		AFA -			
6	Hinge Φ 35 mm	3.00				3.00	Each		AFA -			
7	Latch Lock	2.00				2.00	Each		AFA -			
8	GI Wire 3 mm for the installation of mesh					50.00	kg		AFA -			
H	Construction of 1 cabin latrine, 2 shower and 1 dressing room.											
1	Excavation of foundations with all related activities according to the drawing.	1.00	33.60	0.60	0.80	16.13	cum		AFA -			
2	Stone masonry work for the foundation with quarry stone, mortar 1:4 with all related activity.	1.00	33.60	0.60	0.80	16.13	cum		AFA -			
3	Base course under the PCC for sidewalk and inside latrine with all required activities (expecting non-river material).					13.00	cum		AFA -			
4	Plain Cement Concrete (PCC) M:150, cement ratio 1:2:4 for sidewalks and inside the latrine with all required activities.					6.20	cum		AFA -			
5	Reinforcement Cement Concrete (RCC) M:200 for rings, beams and slab with shuttering and steel bars best quality, cement (375kg per m3) clean coarse sand and crushed gravel ≤32mm mixing the aggregate, placing and forming works, curing at least for 14-18 days or in cold climates at least 28 days.					12.40	cum		AFA -			
6	Bricks masonry walls, the work covered by this item shall consist of supplying and laying burnt bricks on the top of the super stone masonry. Bricks shall comply with requirements of first class bricks. The burnt bricks masonry shall be done by 1:4 ration of cement mortar.					16.00	cum		AFA -			
7	Supply and installation of one layer of moisture insulation, Esogam, best quality, in latrine floors and walls, along with 10 cm Thermo insulation and slope on the roof with all required activities. (for the interior walls and floor of latrine)					102.00	sqm		AFA -			
8	Supply and installation of floor type tile T=10mm and wall type tile T=9mm, installed with 1:3 cement-sand ratio and all activities as required by the drawings and technical specifications.					120.00	sqm		AFA -			
9	Plaster of the interior, exterior walls and ceiling with M1:4, smoothly finished with required activity.					184.00	sqm		AFA -			

RAMP-UP-NORTH
Construction of Mini Football Playground
Bill of Quantities

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NO	Description	No.	Length (M)	Width (M)	Depth (M)	Quantity	Unit	Unit Price (AFA)	Total Price Each Item (AFA)	Total price (AF)	Remarks	
10	Three coats of plastic painting for the interior, exterior, and ceiling walls along with all related activities.					184.00	sqm		AFA -	AFA -		
11	Supply and installation of flat water closet complete set (Kamood), highest quality, with all related activities and technical specifications.					1.00	Each		AFA -			
12	Supply and installation of sink and mirror complete set (Dastshoy) good quality for toilet with it's all related activities and technical specification					2.00	Each		AFA -			
13	Supply and installation of water tap good quality with it's all related activities and technical specification .					4.00	Each		AFA -			
14	Supply and installation of Aluminum frames doors complete with glass, and all related activities.					16.00	sqm		AFA -			
15	Supply and installation of Interior Electrical system for the proposed building (different size conduits, different wires and cable, join box, switches, sockets, grounding , ventilator 2, fuse, fuse box, lights, and installing connections to the main electrical source, along with all other items needed to complete the electrical system according to design.					1.00	Ls		AFA -			
16	Supply and installation interior water supply and sewer system, including installing a connection between the building water systems the sewer system and septic tanks (all pipes and fittings for the sewer system should be class D, best quality, and also including a sand bed, caution taps, and also insulation for all pipes) along with all related activities and technical specifications.					1.00	Ls		AFA -			
17	Excavation of Septic tank 10m depth and 1.2m diameter along with all required activities such as insulation of concrete Ring and backfilling as needed based on the drawings and technical specifications (10m depth with 1.2m dia).					1.00	Ls		AFA -			
18	Supply and Installation of overhead water tank (2000 liter capacity and steel sheet T 4 mm) on the roof of latrine, PE pipe 2 inch for poles, insulation, piping works, overflow, valve, wash pipe with all required activities.					1.00	Ls		AFA -			
	Total Amount in AFA									AFA -	AFA -	

APPENDIX C – REGIONAL AFGHAN MUNICIPALITIES PROGRAM

Regional Afghan Municipalities Program for Urban Populations

(RAMP UP-North)

Regional Command North

Project Proposal

Province: Samangan

Municipality: Aybak

Project Number: RUN-P-AYB -005

Project Name: Construction of a Mini Football Playground

Project Duration: 3 months

Estimated Project Cost: [REDACTED]

Date: February 05, 2013

MGRS Coordinates of Project Area: 42SVF1297514018

GPS Coordinates:

Latitude: N 36° 16.031'

Longitude: E 068° 01.87'

I. Problem Statement:

Aybak Municipality currently lacks adequate sports facilities, especially football fields, which mean that youth do not have an adequate place to play football. The municipality has identified a potential location for a mini football field.

II. Solution Statement:

On September 26, 2012, the Aybak Service Delivery Advisory Group (SDAG) and Public Administration Advisory Group (PAAG) met with 21 participants (12 SDAG members, including 8 men and 4 women; and 8 PAAG members, all men; as well as the Director of Economy of Samangan Province) at the Aybak Municipality to select the Round 4 project. During the meeting, the SDAG and PAAG selected the construction of a mini football field (20.3m wide by 32.3m long). After the completion of the project, the municipality anticipates a public-private partnership for the operation and maintenance of this project to both increase the revenue of municipality and more effectively sustain the mini football field upon its completion.

III. Beneficiaries:

Local football players and young athletes are the main direct beneficiaries, estimated by the Samangan Sport Department at about 1,000 male athletes. Indirect beneficiaries would include all citizens of Samangan Province.

IV. Scope of Work:

A. Methodology

The proposed project requires construction work, which will be subcontracted to a private company. The subcontractor will be selected through a transparent procurement process and will complete the required activities under the supervision of the municipality and RAMP UP-North.

B. Goods and Services Provided by RAMP UP North

A subcontractor will be selected for the construction of the Mini Football Playground, which includes the following activities:

- **Site Preparation:** (cutting, filling, leveling, cleaning, and watering as pre site needs)
- **Football pitch:** 656 m² artificial turf with all required activities
- **Audiences' bench:** Production and installation of metallic outdoor benches according to drawings and specifications with all required activities like 3 coats of paint etc.
- **Pergola:** Construction and installation of 20m pergola according to drawings and specifications with all required activities.
- **Sidewalks Terrazzo Tile:** Construction of 418m² sidewalks according to drawings and specifications with all required activities.

- **Boundary wall:** Construction of 90 meter wall with all required activities, according the drawings and specifications.
- **Fencing:** providing and installation of fence around the sport court, with all required activities according the drawings and specifications.
- Construction of 1 cabin latrine, 2 showers and 1 dressing room.

C. Goods and Services Contributed by Municipality (estimated value of [REDACTED])

Construction of Parking area	No	Length (M)	Width (M)	Depth (M)	Quantity	Unit	Unit Price	Total Price
Supply and installation of trash bins.	2.00				2.00	Each		
Base course under PCC for parking area with leveling and all required activities.	1.00	33.00	6.00	0.20	39.60	cum		
PCC for parking area.	1.00	33.00	6.00	0.15	29.70	cum		
Greenery	1.00				1.00	LS		
Generator 7 KW	1.00				1.00	LS		
Supply and installation of flood lights for playground including electrical work.	8.00				8.00	Each		
Estimated Value of Goods and Services Contributed by Municipality:								

All subcontractors for RAMP UP North activities are required to hire local laborers for all unskilled labor positions. These laborers will be hired from within the community. The subcontractor shall be responsible for providing documentation of the number of both skilled and unskilled laborers and number of days worked.

Cost Estimation for Goods and Services Provided by RAMP UP North

RAMP-UP-NORTH Construction of Mini Football Playground Bill of Quantities										
Project Name: Construction of Mini Football Playground							Date: Jan/23/2012			
Description	No.	Length (M)	Width (M)	Depth (M)	Quantity	Unit	Unit Price (AFA)	Total Price Each Item (AFA)	Total price (AFA)	Remarks
Site Preparation: (cutting, filling, leveling, cleaning, and watering as pre site needs)	1.00	70.00	33.00		2310.00	sqm		AFA -	AFA -	
Football pitch: 656 m²with all required activities									AFA -	
PCC M150 = 656*0.12	1.00	32.30	20.30	0.12	78.68	cum		AFA -		
Base course under PCC including compaction and leveling with all required activities.	1.00	32.30	20.30	0.20	131.14	cum		AFA -		
Iron mesh size (8x8 cm) and dia 3 mm.	1.00	32.30	20.30		655.69	sqm		AFA -		
Supply and installation of artificial grass good quality with all required activities.	1.00	32.30	20.30		655.69	sqm		AFA -		
Supply and installation of goal frames mad of GI pipe 2 inch, net and with all required activities	2.00				2.00	each		AFA -		
PVC pipe for sewer system of football pitch (dia 6 inch and T 3mm, best quality) with all required activities.	1.00	100.00			100.00	m		AFA -		
All the required line marking of the football pitch.	1.00				1.00	LS		AFA -		
Audiences bench: Production and installation of metallic outdoor benches according to drawings and specs, with all required activities like 3 coat of paint etc.	6.00				6.00	Each		AFA -	AFA -	
Pergola: Construction and installation of 20m pergola according to drawings and specs, with all required activities.									AFA -	
PCC M150 =(0.2*0.52*17)	3.00	20.00	0.50	0.05	1.50	cum		AFA -		
Profile 10x10 cm and T=2mm	11.00	3.50			38.50	M		AFA -		
Profile 4x4 cm and T=2mm	11.00	6.00			66.00	M		AFA -		
Profile 4x4 cm and T=2mm	4.00	20.00			80.00	M		AFA -		
Stone masonry with mortar 1:4 and pointing 1:3 (mountain stone from Samangan province), With all required activities	1.00	20.00	1.50	1.50	45.00	cum		AFA -		

PVC/Plastic corrugated sheet (Sheffer) including required screws in each 50 cm.	1.00	20.00	1.50		30.00	sqm		AFA	-		
White marble 100x52x2cm	3.00	20.00	0.52		31.20	M		AFA	-		
Sidewalks Terrazzo Tile: Construction of 418m2 sidewalks according to drawings and specs with all required activities.										AFA -	
Terrazzo Tile 30*30 cm	1.00				418.00	sqm		AFA	-		
PCC M150 T= 7 cm	1.00			0.07	29.26	cum		AFA	-		
Gravel for base course = 10 cm	1.00			0.10	41.80	cum		AFA	-		
Curbs 50*20*6 cm	1.00				251.00	m		AFA	-		
Boundary wall: Construction of 90 meter wall with all required activities, according the drawings and specs.										AFA -	
Excavation of Foundation Boundary wall.	1.00	90.00	0.60	0.80	43.20	cum		AFA	-		
Plain Cement Concrete (PCC) M: 150 cement ratio 1:2:4 for under the stonemasonry wall with all required activities.	1.00	90.00	0.60	0.05	2.70	cum		AFA	-		
Stone masonry work for foundation with quarry stone, mortar 1:4 with all related activities.	1.00	90.00	0.60	0.80	43.20	cum		AFA	-		
Stone masonry work for over the ground with hammer surface, mortar 1:4, pointing 1:3, with all related activities.	1.00	90.00	0.50	0.60	27.00	cum		AFA	-		
Reinforcement cement concrete (RCC) for boundary wall ring M-200 cement (375kg/m3)clean coarse sand and crushed gravel with shuttering and best quality steel bars.	1.00	90.00	0.35	0.20	6.30	cum		AFA	-		
Reinforcement cement concrete (RCC) Ring for the top of boundary wall M-200 cement (375kg/m3)clean coarse sand and crushed gravel with shuttering and best quality steel bars.	1.00	90.00	0.35	0.10	3.15	cum		AFA	-		
Brick masonry for boundary wall inside column with half brick wide. Brick shall comply with requirements of first class brick, shall be done by 1:4 ration of cement mortar according to design.	1.00	90.00	0.12	1.70	18.36	cum		AFA	-		
Brick masonry for column walls (35*35 cm) and bench of viewer 33m with 3 step 50*50cm, Brick shall comply with requirements of first class brick, shall be done by 1:4 ration of cement mortar according to design.					21.56	cum		AFA	-		
Gates (Profile best quality according to design).					1.00	Ls		AFA	-		
Plastering of the boundary wall inside, outside and viewer benches with M 1:4 smoothly with all required activities.	1.30	90.00	4.50		526.50	sqm		AFA	-		
Tree coats of 100% plastic painting of inside and outside of boundary wall with all related activities.	1.00	90.00	4.50		405.00	sqm		AFA	-		

Fencing: Providing and installation of fence around the sport court, with all required activities according the drawings en spec.									
Excavation of foundation of RCC ring around the playground according to specifications and drawings.	1.00	108.00	0.35	0.30	11.34	cum		AFA -	
Reinforcement Cement Concrete (RCC) for ring around the playground according to the drawing and specifications with all required activities.	1.00	108.00	0.35	0.45	17.01	cum		AFA -	
GI Pipe 4" (6m=48kg)	37.00	6.00			222.00	M		AFA -	
GI Pipe 2" (6m=16kg)	3.00	108.00			324.00	M		AFA -	
GI mesh Φ 3 mm 5.5*5.5cm	1.00	108.00		5.50	594.00	sqm		AFA -	
Hinge Φ 35 mm	3.00				3.00	Each		AFA -	
Latch Lock	2.00				2.00	Each		AFA -	
GI Wire 3 mm for the installation of mesh					50.00	kg		AFA -	
Construction of 1 cabin latrine, 2 showers and 1 dressing room.									
Excavation of foundations with all related activities according to the drawing.	1.00	33.60	0.60	0.80	16.13	cum		AFA -	
Stone masonry work for the foundation with quarry stone, mortar 1:4 with all related activity.	1.00	33.60	0.60	0.80	16.13	cum		AFA -	
Base course under the PCC for sidewalk and inside latrine with all required activities (expecting non-river material).					13.00	cum		AFA -	
Plain Cement Concrete (PCC) M: 150 cement ratio 1:2:4 for sidewalks and inside the latrine with all required activities.					6.20	cum		AFA -	
Reinforcement Cement Concrete (RCC) M:200 for rings, beams and slab with shuttering and steel bars best quality, cement (375kg per m3) clean coarse sand and crushed gravel ≤32mm mixing the aggregate, placing and forming works, curing at least for 14-18 days or in cold climates at least 28 days.					12.40	cum		AFA -	
Bricks masonry walls, the work covered by this item shall consist of supplying and laying burnt bricks on the top of the super stone masonry. Bricks shall comply with requirements of first class bricks. The burnt bricks masonry shall be done by 1:4 ration of cement mortar.					16.00	cum		AFA -	
Supply and installation of one layer of moisture insulation, Isogamy, best quality, in latrine floors and walls, along with 10 cm Thermo insulation and slope on the roof with all required activities. (for the interior walls and floor of latrine)					102.00	sqm		AFA -	

[illegible]

V. Involvement and Leadership of Municipal Staff in Project Selection, Development, Implementation, and Monitoring & Evaluation:

PAAG (Public Administration Advisory Group) members were involved in the process of selecting and developing this project. On September 26, 2012, the Service Delivery Advisory Group (SDAG) meeting was conducted with the participation of 21 people (8 men and 4 women from the SDAG, 8 men from the PAAG and the Provincial Director of Economy), and, during the meeting, the selection criteria and budget were explained. Participants identified the construction of a mini football playground as a priority for citizens. At the end of the meeting, municipal officials and SDAG members drafted the sustainability analysis sheet, service delivery improvement plan, and the scope of work for the project.

Municipal officials, SDAG members, and the RAMP UP-North team conducted a site survey on October 3, 2012, to check the feasibility of the project and to define the final scope of work and cost estimation. The RAMP UP-North team along with the Municipality Engineering Department and SDAG members developed the estimation for the project, including the design and engineering documents.

The monitoring, evaluation, and oversight of this project will be led by the Mayor and the municipal construction department's engineers, along with technical assistance from the RAMP UP North team.

VI. Level of Public Participation:

Members of the SDAG participated in the meeting to select the Round Four project on September 26, 2012, including 8 men and 4 women from the SDAG, where the meeting participants selected the Mini Football Playground as a priority project. SDAG members also participated in the site survey and feasibility check on October 3, 2012, to define the final scope of work and the cost estimation of the Mini Football Playground. The RAMP UP-North team along with the Municipality Engineering Department staff and SDAG members developed the estimation for the project, including the design and engineering documents.

SDAG members promised during each of the above mentioned meetings to play an active role in the monitoring of the Mini Football Playground project during the initial construction and also to monitor the operation of the project and revenue collection after project completion.

VII. Activity Objectives

- To provide a youth entertainment facility and help prevent young people from using drugs or narcotics.
- Improve communication and relationships between the Mayor, municipal officials, and citizens.
- Improve the participation of citizens, especially marginalized groups such as women and youth, in decision-making processes related to the planning, design, implementation, and monitoring of municipal services.
- Improve the public's perception of the Municipality's ability to deliver sustainable services.
- Increase revenue generation and the sustainability of municipal service delivery.

VIII. Sustainability and Maintenance:

Municipality and Citizen Contribution (After Project Completion):

Aybak Municipality will continue to provide two trash bins for the mini football playground and to use municipal garbage trucks for trash pick-up.

The maintenance of the mini football playground is an essential issue for the municipality and the SDAG. Both consider the contracting of the maintenance, operation, and revenue collection to the private sector as a critical part of sustainability. The municipality anticipates that contracting the management, operation, and maintenance of this project to the private sector will also provide a regular source of revenue to the municipality to maintain and sustain the mini football playground, as well as provide quality services to citizens. The partnership will also increase the transparency of the revenue available to the municipality.

The municipality (PAAG members) in coordination with SDAG members, and with technical assistance from RAMP UP-North Advisors, has developed a sustainability and maintenance plan that explains the revenue projections from entrance fees and operation and maintenance requirements for the mini football playground.

SDAG members promised during meetings dated September 26, 2012, and October 03, 2012, to play an active role in the monitoring of the Mini Football Playground project during its initial construction and also to monitor the operation of the project and revenue collection after project completion.

Revenue Enhancement:

SDAG members and PBG (Project Beneficiary Group) members estimate that revenue will increase as a result of the operation of the mini football playground, including revenue to cover the estimated operational costs (cleaning costs, cashier, staff, and maintenance costs) and a reasonable contractor profit margin. The user fee will be set by the municipality, based on the advice of the SDAG on reasonable rates, at a 10 Afghani (US\$0.20) entrance fee and 500 AFA (10 USD) hourly rental fee for football players.

Based on this estimation, the revenue collected will be enough to cover the operations and maintenance of the mini football playground. The municipality will increase its annual revenue by an estimated \$24,780 USD from contracting the mini football playground in a PPP. In addition, a private contractor will also have the opportunity to make \$4,800 USD annually from the operation of the mini football playground.

SUSTAINABILITY ANALYSIS
FOR
CONSTRUCTION OF MINI FOOTBALL PLAYGROUND IN AYBAK CITY

MONTHLY AND ANNUAL REVENUE GENERATION

No. Visitors	Rate per User (USD)	Total Revenue daily (USD)	Total Revenue Monthly (USD)	Total Revenue Annually Based on 12 Months (USD)
312	0.20	62.40	1,872	22,464
No. of Daily hours that using by footballer Teams	Rate per User (USD)	Total Revenue daily (USD)	Total Revenue Monthly (USD)	Total Revenue Annually Based on 12 Months (USD)
6	10.00	60.00	1,800	21,600
Total Revenue Monthly and Annually (USD)			3,672	44,064

MONTHLY AND ANNUAL O&M EXPENSES

Description	Unit	Quantity / User	Quantity (Daily)	Quantity (Monthly)	Unit Cost (USD)	Total Cost/Day (USD)	Total Cost/Month (USD)	Total Cost/Annual (USD)
Water for Toilet Usage	Lit	7.00	2184	65,520	0.0024	0	157.00	1,884
Black Water Removal	LS	0	0	0	120	0	120.00	1,440
Guards/Cleaner (men)	Person	2	0	0	100	0	200.00	2,400
Cashier/Cleaner (man)	Person	1	0	0	100	0	100.00	1,200
Maintenance Costs	LS	0	0	0	30	0	30.00	360
Electricity	LS	0	0	0	200	0	200.00	2,400
Total							807.00	9,684

REVENUE GENERATION ANALYSIS

Monthly Revenue (USD)	Less Monthly O&M Expenses (USD)	Less Monthly Contractor Profit (USD)	Monthly Municipality Net Revenue (USD)	Annual Municipality Net Revenue (USD)
3,672	807	400	2,465	29,500

IX. Capacity Development:

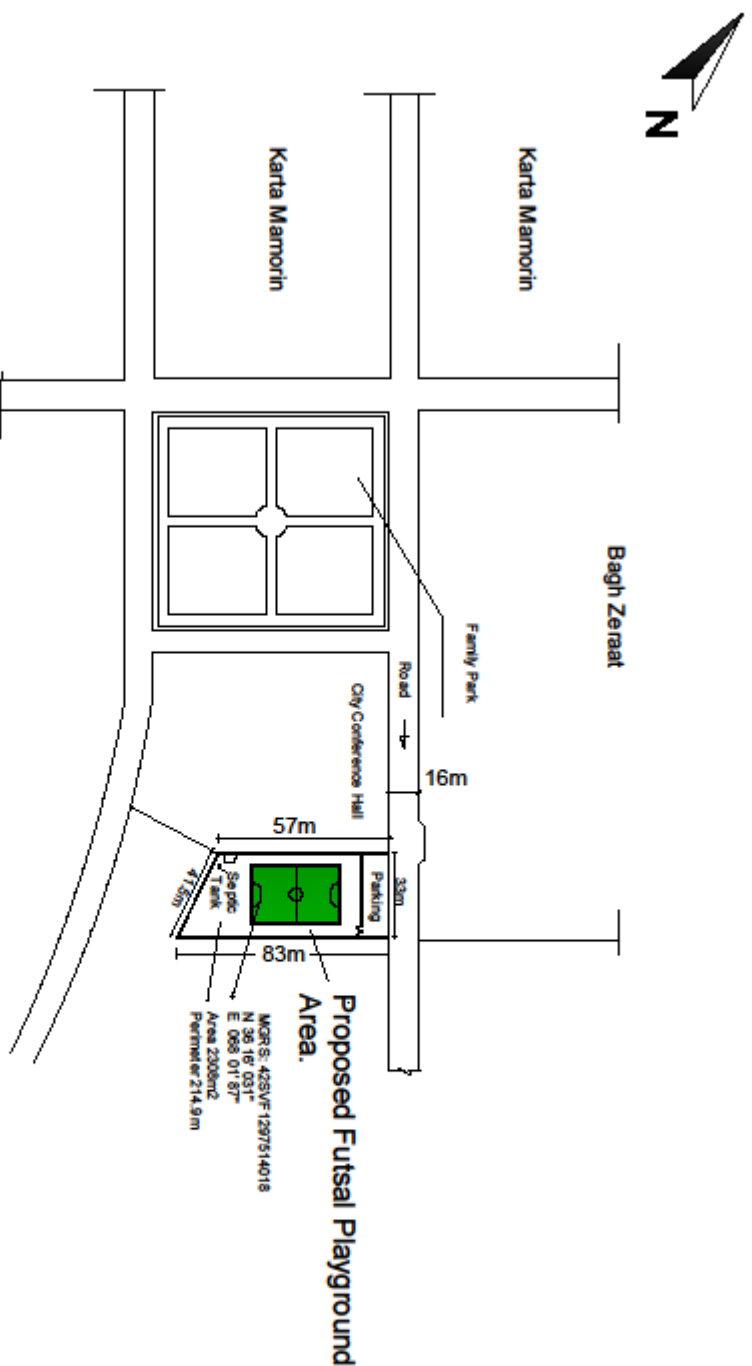
The project will help to develop the capacity of municipal officials and citizen representatives by applying a learning-by-doing approach in terms of planning, implementing, monitoring, and managing during the following project activities:

- Project selection
- Project development
- Project procurement
- Project implementation
- Project monitoring
- Public-private partnerships

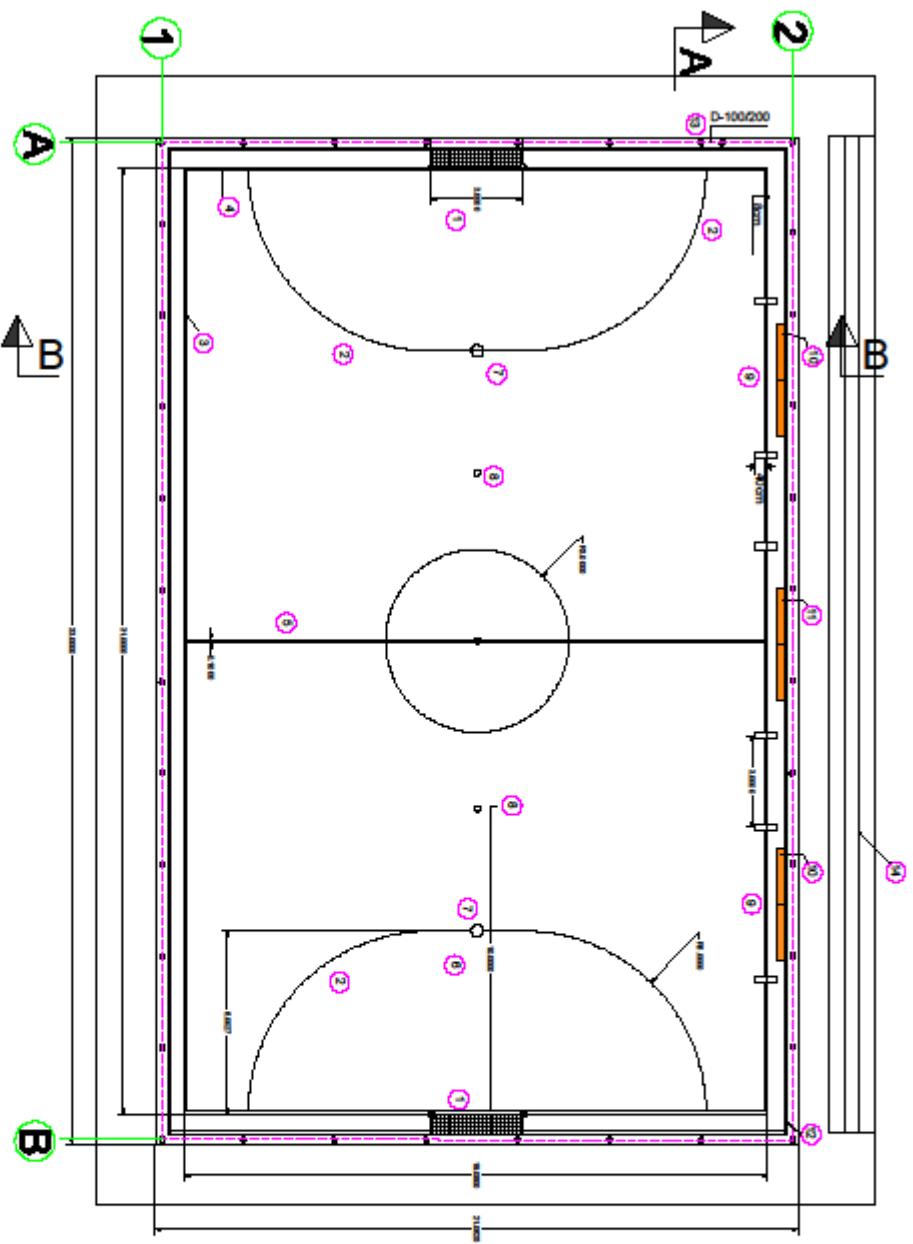
X. Unique Aspects of Project:

- Women and youth members of the SDAG were involved in the project identification and design process.
- As a result of the project, youth and football players will have the opportunity to become more involved in football and sports and will be less likely to become involved with illegal drugs and narcotics. In conjunction with the project's public outreach activities, RAMP UP North will consider introducing drug awareness and education materials to those using the facility.
- The mini football playground project has the potential to develop additional public-private partnerships.

XI. Sketches



Drawin Title: General Plan	Surveyed By:	Name	Position/Organization	Project Name: Aybak Futsal Playground
	Estimated By:			
	Conceptual Approved			
	Conceptual Approved			
Drawing Number: 1	Checked By:	[Redacted]	Mayor	Date: 12-25-12
	Approved By:		Engineering Director Project Manager	



- 1- Goal
- 2-Goal Post
- 3-Touchlines
- 4-Goal Line
- 5-Halfway Line
- 6- Penalty Area
- 7- Penalty spot
- 8- Second Penalty spot
- 9- Substitution Zone
- 10- Team Bench
- 11- Officials Table
- 12- Sewer system pipe
- 13- Door of futsal area
- 14- Bench for viewers

Drawin Title:		Name		Position/Organization		Project Name:	
Plan of Futsal playground						Aybak Futsal Playground	
Surveyed By:				RUN Samangan Municipal Engineering Advisor		Date: 12-25-12	
Estimated By:				RUN Samangan Municipal Engineering Advisor			
Conceptual Approved By				SOMA Deputy			
Checked By:				Mayor			
Approved By:				Engineering Director			
Drawing Number: 2				Project Manager			

XII. Photos – Pre-Implementation

Pre-Project Survey of Mini Football Playground by Head of Municipal District #2



XIII. Conceptual Drawings – Post-Implementation



Drawin Title: 3D		Name	Position/Organization	Project Name: Aybak Mini Football Playground Date: 12-25-12
	Surveyed By:		RUMP-UP-North Aybak Municipal Engineering Advisor	
	Estimated By:		UN Samangan Municipal Engineering Advisor	
	Conceptual Approved By		DAG Deputy	
	Conceptual Approved By		Mayor of Aybak	
Drawing Number: 22	Checked By:		Engineering Director/RUMP-UP-N	
	Approved By:		Project Manager	